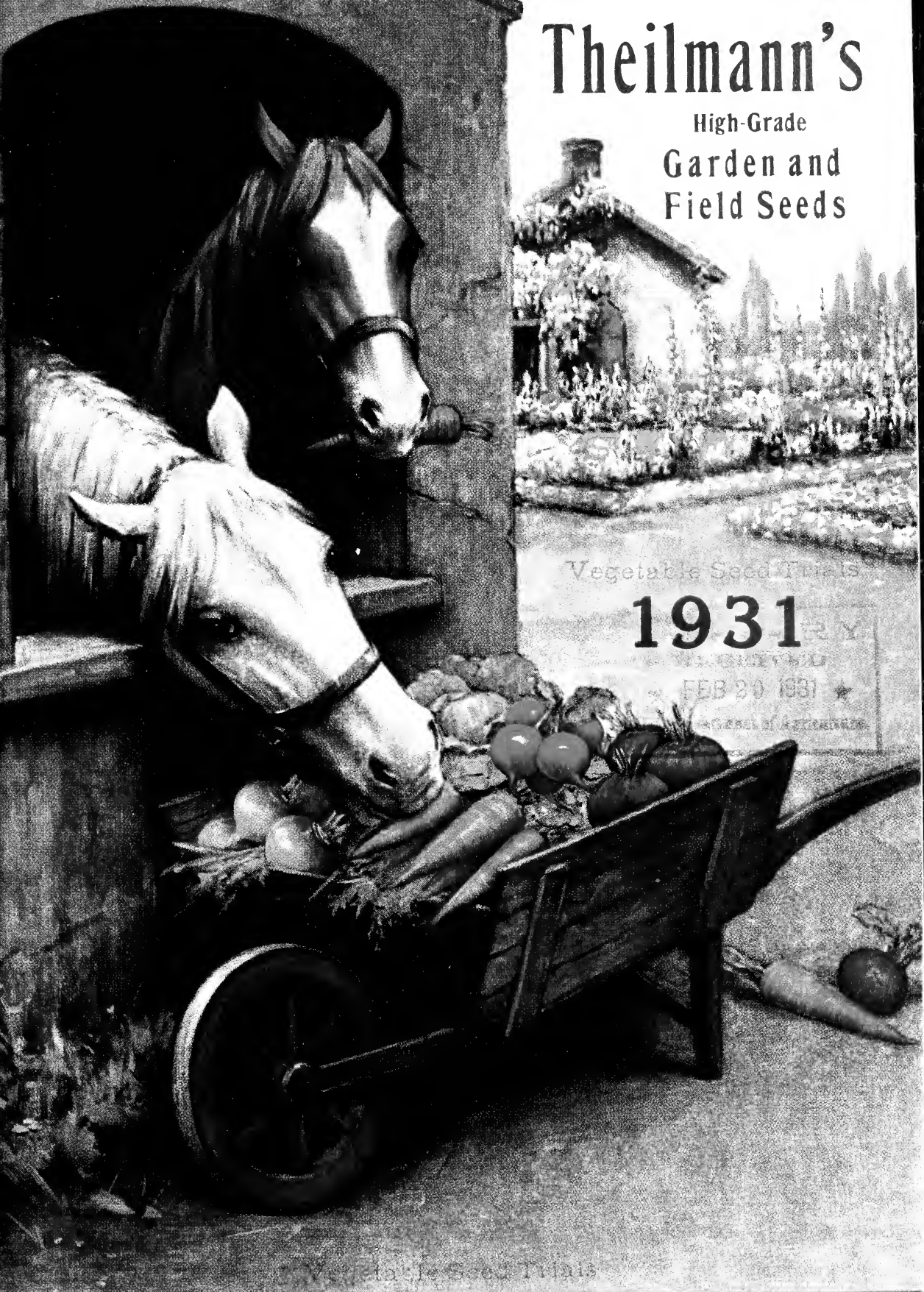


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Do not assume content reflects current scientific knowledge, policies, or practices.

Theilmann's

High-Grade
Garden and
Field Seeds



Vegetable Seed Trials

1931

FEB 20 1931

Vegetable Seed Trials

Theilmann Seed Co., Cor. 16th & State Sts.
ERIE, PENNSYLVANIA

THEILMANN SEED CO.

ANNUAL CATALOGUE of

Vegetable, Field and Flower Seed

WE take pleasure in submitting our **THIRTIETH ANNUAL CATALOGUE** for the year 1931. It will be found to contain only the best varieties of seed now grown.

OUR SEEDS are all fresh and reliable. Nothing is more essential to successful farming and gardening than good seed. With a full appreciation of this fact we offer only tried seeds of undoubted purity.

SEEDS BY MAIL. We can send seeds by Parcel Post at the following rates:

Parcel Post Rates From Erie, Pa.

	First pound or fraction	Each additional lb. or fraction
Local Rate, Erie, Pa.-----	\$0.07	\$0.00½
1st Zone, within 50 miles from Erie-----	.07	.01
2d Zone, over 50 miles and under 150 miles	.07	.01
3d Zone, over 150 miles and under 300 miles	.08	.02
4th Zone, over 300 miles and under 600 miles	.08	.04
5th Zone, over 600 miles and under 1000 miles	.09	.06

BY EXPRESS. At places where the express companies have offices, any of our goods can be ordered through their agents, who will furnish blanks for the purpose, saving postage and trouble. No charge whatever is made by the express companies for their services other than the usual rate for carrying goods.

HOW TO ORDER — REMITTANCES. Orders should be accompanied with remittance or good reference. This saves much trouble and confusion during the hurrying season. The safest way is to send by registered letter, post-office order or express, except for sums of less than one dollar, for which we accept stamps. Be particular to give name and post-office address full and distinctly.

WARRANTING SEEDS. We are sometimes asked if we warrant seeds, and we wish to say here that we do not. We use our best endeavors to have all the seeds we sell of the best quality and description, and we hope our long experience in the business has gained for us a trustworthy reputation. But, although we test the vitality of our seeds, and truly believe that they are of the best stock, yet we know from practical experience that seeds and crops may fail from numerous causes and contingencies which the most careful and experienced cultivators cannot control.

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

THE THEILMANN SEED CO.

Order Sheet for
THE THEILMANN SEED COMPANY
ERIE, PA.

Forward by { State whether wanted by
Mail, Express or Freight } _____


TO
Your Name _____

Post Office _____

County _____

State _____

Express or Freight Office _____ **Date** _____ 1931

 Please write name and address very plainly in the above.

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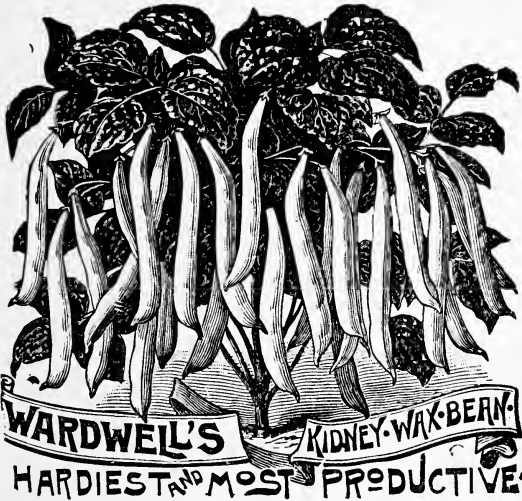
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VEGETABLES

ASPARAGUS—Sow early in the spring as the ground will admit of working in rows a foot apart. Keep carefully hoed and free from weeds, and the plants will be in condition to set out the succeeding spring. The soil for the permanent beds should be thoroughly manured and trenched. Plant in rows three feet apart and one foot between the plants in the rows, and let the crown of the plant be covered about six inches deep. 1 oz. of seed will produce about 500 plants.

Mary Washington.—This is a new asparagus of green color and firm tips. It is almost rust proof and has luscious stalks that will be greatly appreciated. Oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.50.

ASPARAGUS ROOTS—We also carry a full line of Asparagus Roots, one and two years: **Mary Washington Asparagus Roots**—
20c per doz.;
\$1.25 per 100;
\$10.00 per 1000.



Improved Golden Wax. An old and well known variety. Round pods. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.

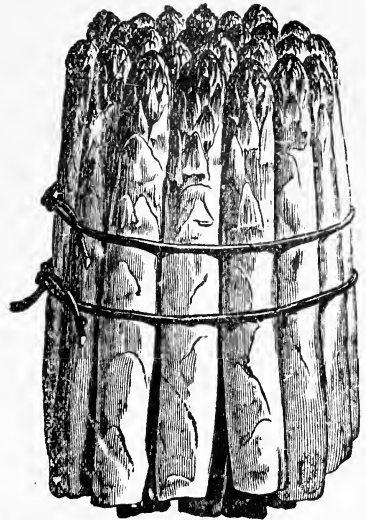
Curry's Rust-Proof Black Wax.—Very early flat pods. Good shipper and seller, very showy for market. has an excellent flavor. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.

New Kidney Wax.—A bean of superb quality, very productive. The pods are round, nearly straight and often obtain a length of six inches. Are tender and stringless and very fleshy. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.

Refugee Wax.—This bean is a round pod same as a Refugee or a 1000 to 1. A medium, early bean. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.

Black Wax.—A round pod, very good producer; seed is black. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.

Unrivalled Wax.—The earliest Wax variety. Very productive, pod creamy yellow, long and flat and very fleshy, tender and fine quality. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.



BEANS "DWARF"

Beans require a light, rich soil. Plant 2" deep in drills 2 ft. apart, and keep the earth about them loose and clean. Delay planting until the weather has become warm and settled, as they will not stand the least cold. 1 qt. will plant about 100 feet of row.

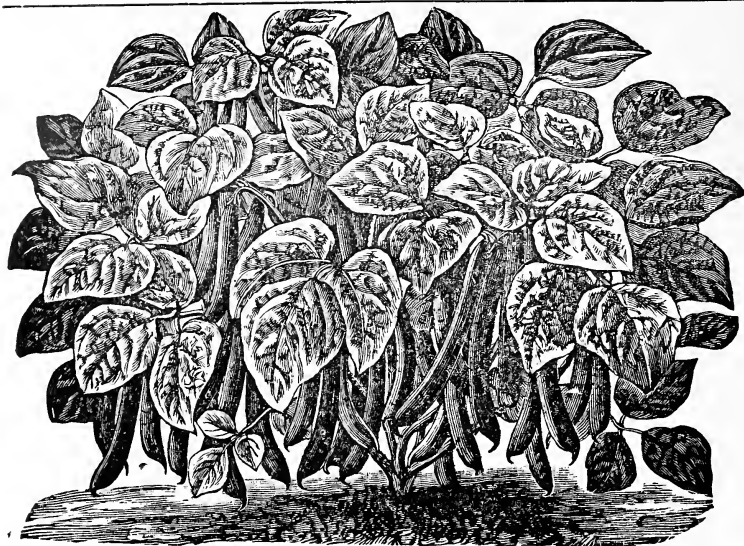
Wardwell's Kidney Wax.—Pods long, broad, flat and of good quality. Very popular. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.

Davis Kidney Wax.—The pods are long, straight, oval; clear, waxy, white color. Often growing to a length of 7 to 8 in. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.

Hodson Wax (New).—The most prolific bean in cultivation, with long, straight, beautiful yellow pods. For market gardeners cannot be excelled, producing immense crops, that sell themselves on slight. Qt. 50c; 4 qts. \$1.90; pk. \$3.50; bu. \$12.00.



New Kidney Wax



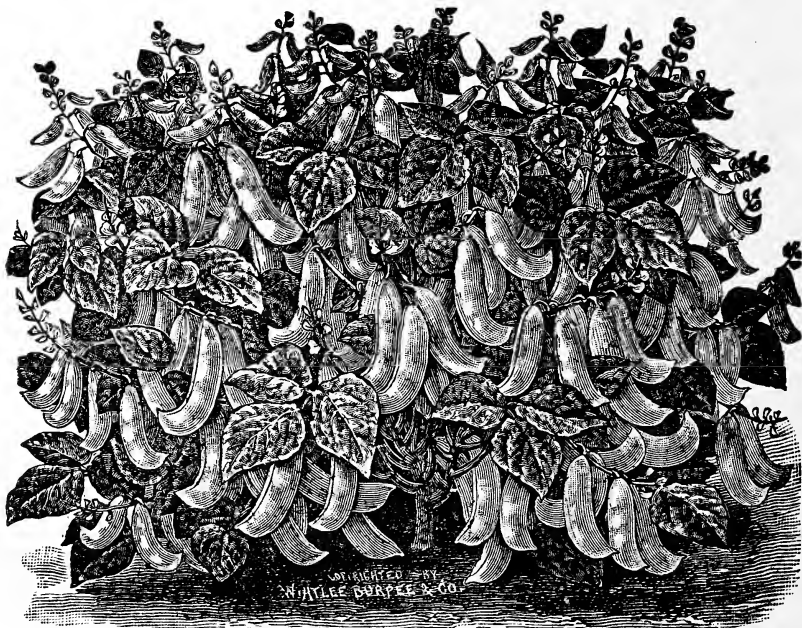
Burpee's Stringless Green Pod

White Marrowfat. An old reliable sort for winter use; qt. 35c; 4 qts. \$1.40; pk. \$2.75; bu. \$10.

White Navy. Sure cropper, prolific, of good quality. Vine large, early ripening, pods straight, short. 3 oval beans. Qt. 25c; pk. \$1.75; bu. \$6.00.

Burpee's Bush Lima.—A bush form of the large Pole Lima. The bushes grow 18 to 20 inches high, of stout growth and always erect, yet branching vigorously and hence a good bearer; qt. 65c; 4 qts. \$2.25; pk. \$4.25; bu. \$16.

Fordhook Bush. An excellent variety and very popular with market gardeners. Pod well filled with 4 or 5 oval shaped, thick white beans. Qt. 70; 4 qts. \$2.50; pk. \$4.50; bu. \$17.00.



Burpee's Bush Lima

POLE OR RUNNING BEANS.—Set the poles 3 to 4 ft. apart and plant 5 or 6 beans around each pole. They are not so hardy as the dwarf varieties, and should not be planted till the weather is settled and warm. They need the best soil to do well. 1 qt. to 150 poles.



Fordhook Bush

BEANS, GREEN POD

Extra Early Refugee.—An improvement on the well-known Refugee, being very much earlier and more dwarf and compact in habit. Qt. 45c; 4 qts. \$1.70; pk. \$3.00.

Full Measure.—A green podded round Bush Bean, 6 inches long; a stringless variety of extremely good quality. Qt. 50c; 4 qts. \$1.90; pk. \$3.50.

Burpee's Stringless Green Pod.—Pods are large, round and dark green in color, strictly stringless; qt. 50c; 4 qts. \$1.90; pk. \$3.50.

Refugee, or Thousand to One. The well-known pickling and canning variety. Qt. 45c; 4 qts. \$1.70; pk. \$3.00; bu. \$11.00.

White Kidney, or Royal Dwarf. Used extensively as a shell bean; none better. Qt. 35c; 4 qts. \$1.40; pk. \$2.75.

King of Garden.—Qt. 60c; 4 qts. \$2.25; pk. \$4.

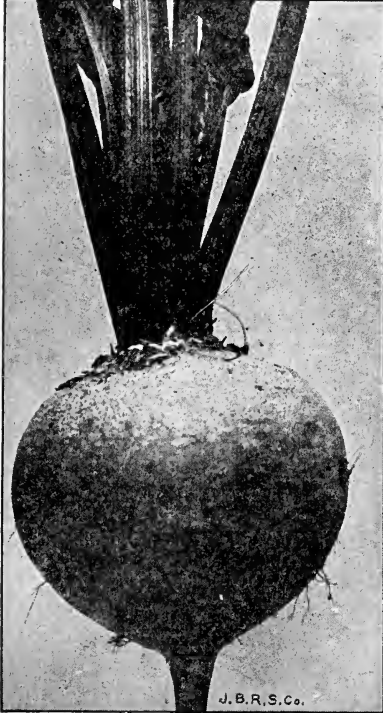
Early Jersey Lima.—Earlier than the large Lima, best for the North. Qt. 60c; 4 qts. \$2.25; pk. \$4.00.

Dutch Case Knife. One of the most productive Pole Beans we have, earlier than the Limas. Qt. 45c; pk. \$3.25.

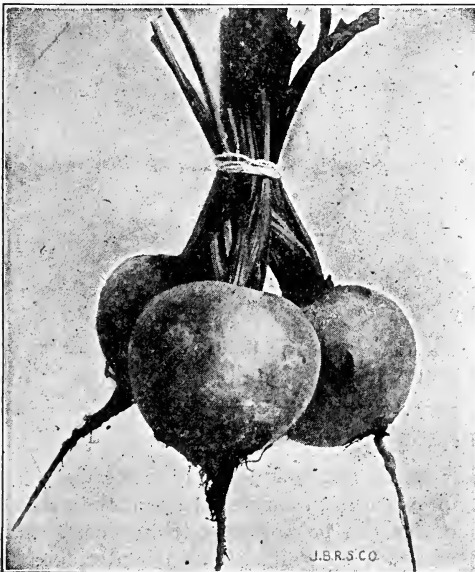
Kentucky Wonder or Old Homestead. An early and prolific sort, producing green pods 7 or 8 inches long. Qt. 50c; pk. \$3.75.

Cranberry, which you can use for shelling or eat without shelling. Qt. 50c.

MARKET GARDENERS BEETS



Detroit Dark Red

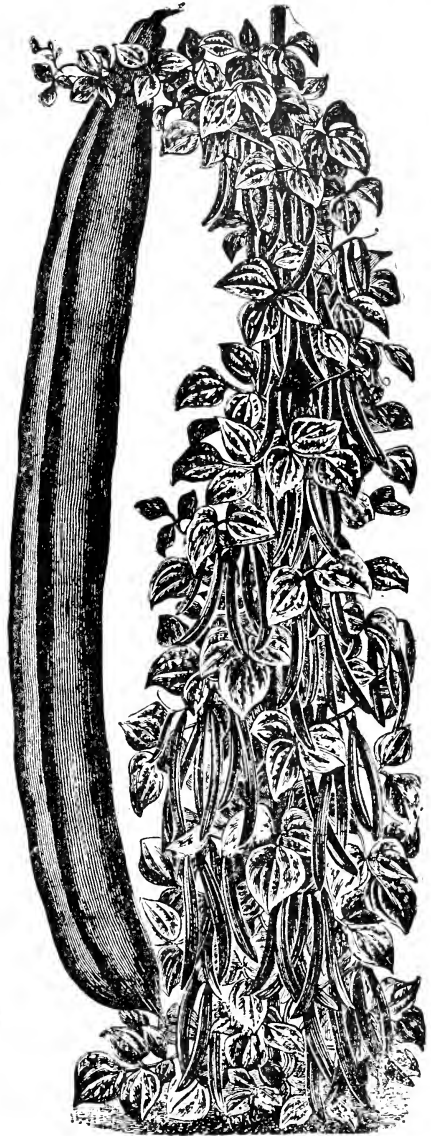


Early Wonder

BEETS—Select rich, sandy loam, and sow in drills 16 inches apart, and cover an inch deep. When the young plants appear, thin to 4 in. apart, and keep the ground well worked. For early use sow as soon as the ground can be worked in the spring, and for general crop about the middle of May. The Mangel-Wurzels are grown solely for stock, and require about the same treatment as the beets. 1 oz. of seed will plant 50 ft. of row.

Crosby Egyptian. This is our leading extra early beet for market gardeners' use; equally good for home table. It is earlier than the old Extra Early Egyptian, larger in size, and very tender.

Oz. 10c;
¼ lb. 30c;
lb. \$1.00.



Kentucky Wonder Pole

Truckers Favorite. This is one of the earliest beets in cultivation, oval shaped like the Eclipse small top, dark red, it will be the coming beet. Oz. 10c; ¼ lb. 30c; lb. \$1.00.

Eclipse. At present the leading market sort; noted for its rapid growth and extreme smallness of top. Oz. 10c; ¼ lb. 30c; lb. \$1.00.

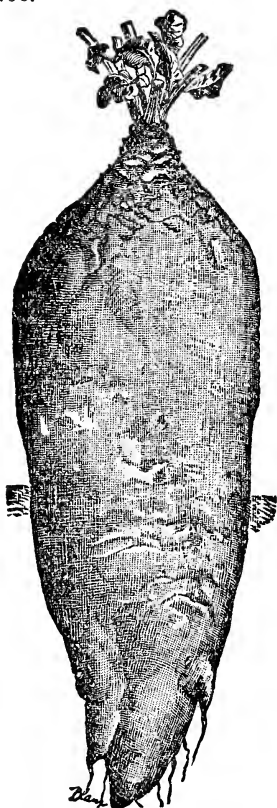
Detroit Dark Red. A fine shaped variety, largely used by the canners. Oz. 10c; ¼ lb. 30c; lb. \$1.

Early Wonder. This beet matures 10 days earlier than any other variety. It has a dark red color, small top and very tender. It can also be grown for fall planting. Oz. 10c; ¼ lb. 30c; lb. \$1.

BEETS—Continued

Swiss Chard. Cultivated for its leaf stocks, which are served as asparagus, and for its leaves cooked as spinach; cut often, new and more tender stalks will be produced. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Long Smooth Blood Red. An excellent, large, very soft sort, fine keeper. Oz. 8c; $\frac{1}{4}$ lb. 20c; lb. 75c.



Mammoth Long Red

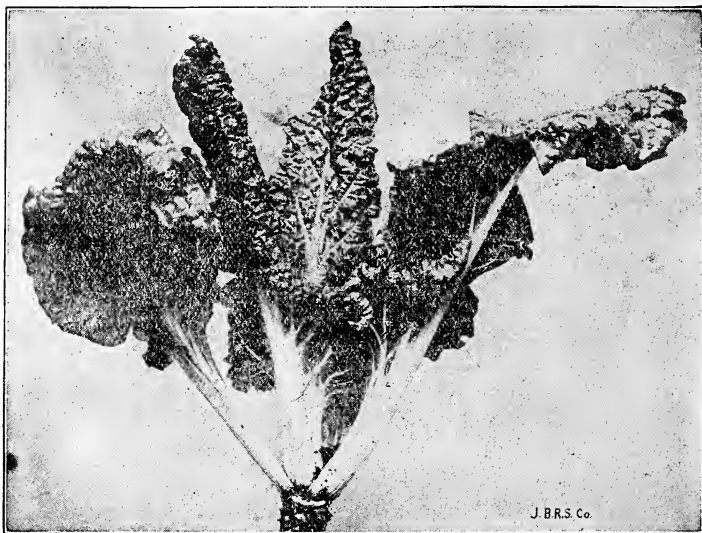
MANGEL-WURZELS

Mammoth Long Red. Of immense size, tends less to hollow necks than the common, long red varieties; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

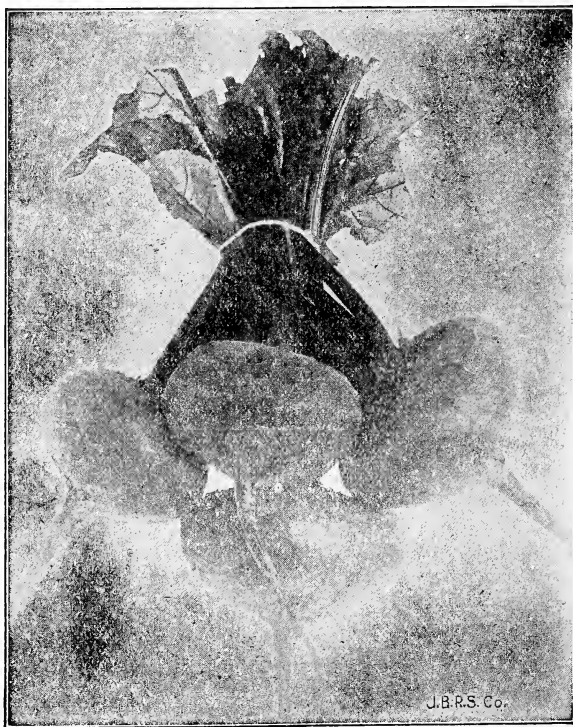
Golden Tankard. Flesh deep yellow, with light colored rings; good cropper; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Giant Feeding Sugar. One of the greatest milk producing Mangels on the market; nothing new but the goods are there. Oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Klein Wanzleben. These Beets are smaller than the above but the sweetness is there. Try them and be satisfied; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.



Swiss Chard (Lucullus)



Crosby Egyptian

MANGELS AND SUGAR BEETS

The value of Sugar Beets and Mangels for stock feeding is clearly seen in the improved health and condition of the animals. They yield enormously and can be grown at trifling cost. Mangels make excellent and rich as well as cheap winter feed for poultry. For winter store in cellar or in pits.

CABBAGE

Sow the seeds of the early varieties in hot beds the latter end of February or early in March, and transplant in April. For second early sow the seed in open ground early in May, and for late use, the first of June. In planting set the stem well down. The ground should be frequently worked to get good results. 1 oz. of seed will produce about 2,000 plants.

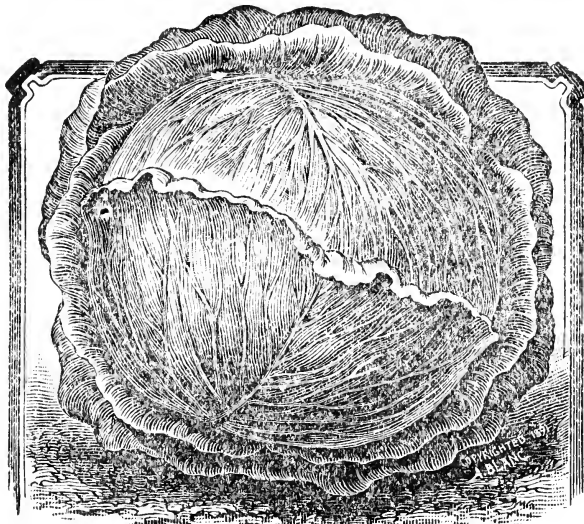
Early Jersey Wakefield. A standard early cabbage in all markets. Oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$2.50.

Copenhagen Market. The earliest, large, round headed cabbage yet introduced; heads exceptionally large for early variety, very solid and of most excellent quality. Plants vigorous but compact with short stem and few outer leaves which are of rather upright growth, leaves medium light green, nearly round, comparatively thick and smooth. A most excellent sort for the home garden and market gardening trade. Oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.

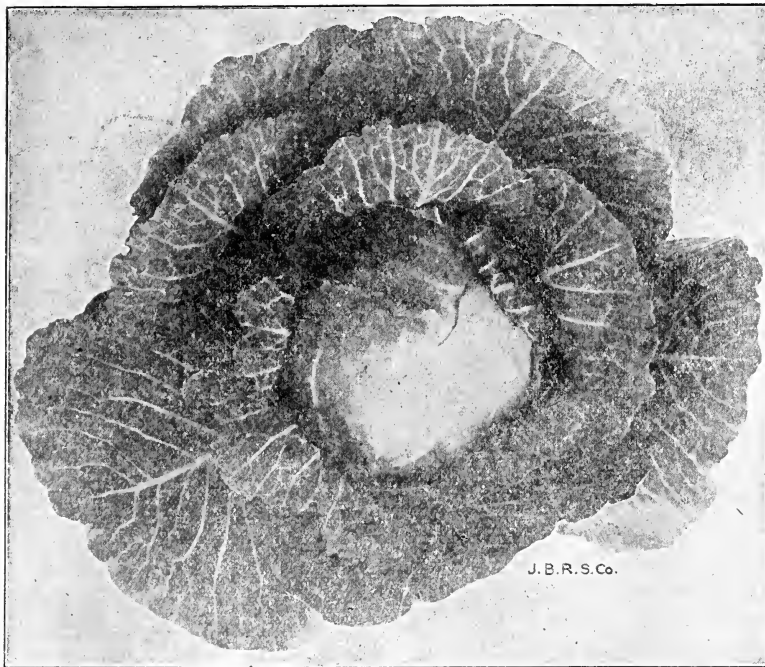
Golden Acre. Is considered the earliest cabbage in the market. The heads are round and resemble the Copenhagen Market. The heads measure about 9 inches in diameter. Pkg. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. \$5.00.

Early Winningstadt. Undoubtedly the best cone shaped cabbage in existence, extremely hard. Oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$2.50.

Glory of Enkhuizen. A comparatively new second early variety, very sure heading and of excellent quality. Plant of vigorous growth, with large, rather spreading outer leaves which are noticeably curved and frilled. Head globular or very nearly round, very solid and of large size for so early a variety. Oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$2.50.



Copenhagen Market



Glory of Enkhuizen

All Seasons. A type of the old Premium Flat Dutch. May be planted earlier. Oz. 30c; $\frac{1}{4}$ lb. 80c; lb. \$2.50.

Sure Head. Too well known for comment, a sure header. Oz. 25c; $\frac{1}{4}$ lb. 90c.

Improved Drumhead Savoy. Larger than Ulm, not quite so early. Oz. 30c.

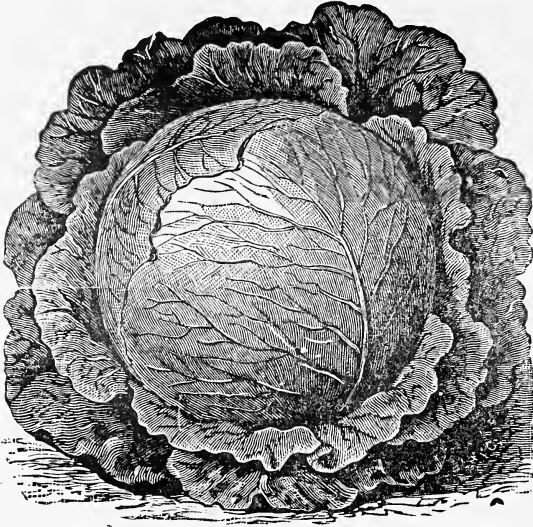
Red Rock. Used for pickling. Oz. 30c.

Succession. A short stumped, Drumhead variety. Oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$2.50.

Premium Late Flat Dutch, which makes a very large head, only they are not quite as solid as some of the other varieties. Oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$2.50.

Chinese Imported or Te Tsai. This cabbage, which is grown very little in this country, although there is some call for it, is of good stock. You have to transplant same, if not it is very apt to go to seed. The best time to plant it will be about July 1st. Oz. 40c.

CABBAGE—Continued



Danish Ball Head

Danish Ball Head (Genuine). — Imported direct from Denmark, our Danish Cabbage cannot be surpassed. This variety is now grown almost exclusively by the large growers, and seed that will produce the desired results is of the utmost importance. We have it. Oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.

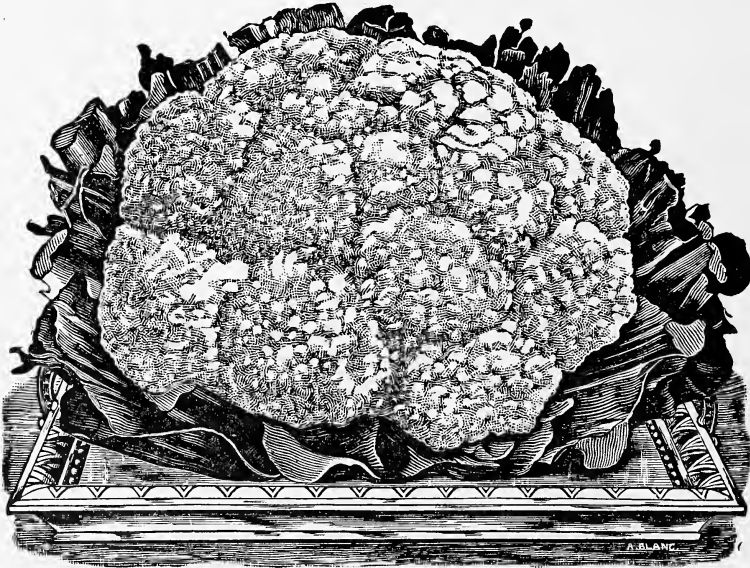
Hollander. Somewhat similar to Danish Ball Head, a little larger and very solid. Oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.

Brussel Sprouts. Used in the fall and early winter, used sometimes like cabbage; they form a head alongside the stem and are used a great deal thru the South. Oz. 35c.

Broccoli. The best variety; compact, white heads. \$1.00 oz.

CAULIFLOWER

It requires much the same treatment as the Cabbage and reaches perfection in the cool, moist weather of the fall months.



Henderson's Early Snowball

Henderson's Early Snowball. Extensively grown, always making a good crop under favorable conditions; valuable both for early and late crops. Pkt. 10c; oz. \$1.75; $\frac{1}{4}$ lb. \$6.00.

OUR SEED WILL GROW

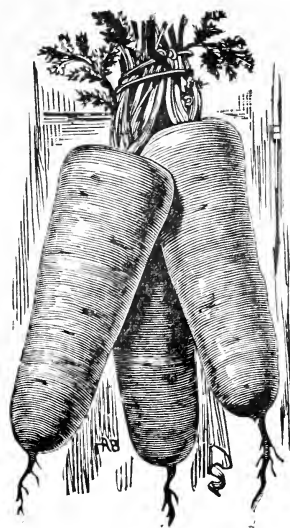
CARROTS

Carrots require a rich, sandy soil to reach perfection. For an early supply sow in the spring as soon as the ground can be worked. Carrots are very susceptible to dry weather, which is apt to prevent the germination of the seed or burn the young plants as soon as they appear above the ground. It is therefore advisable to use a liberal quantity of seed, which will give the crop a better chance.

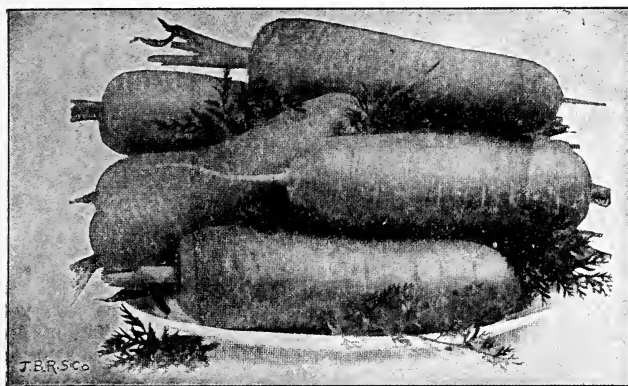
One oz. of seed will plant 150 feet of drill.

Guerande or Oxheart. This variety, while not attaining one half the length of some other varieties, will compare favorably in bulk of crop with any. What it lacks in length is made up in thickness. The crop can be easily pulled, no digging being required. Oz. 10c; lb. 30c; lb. \$1.00.

Danvers Half Long. A cross between the Short Horn and Long Orange, the most popular general crop variety. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



Half Long Stump Rooted



Nantes Half Long

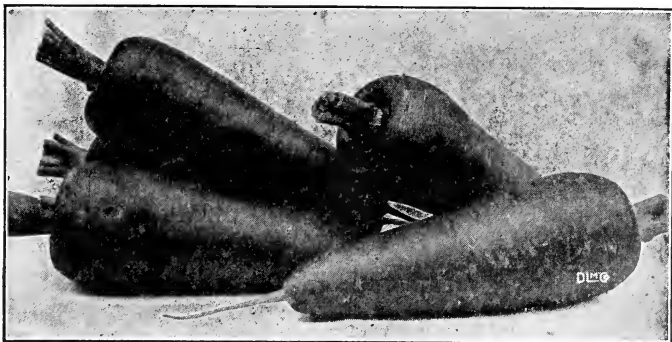
White Belgium. The largest variety, grown exclusively for stock; grows one-third out of the ground. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Yellow Belgium. Is very large and good quality, grown for stock. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

CARROTS—A little more particular as to soil than beets, but otherwise just as easy to grow. Carrots deserve a place in every garden.

Always recognized as wholesome

adjuncts to the diet, they have recently been found to be especially rich in the important vitamins, while no one who has eaten freshly pulled, tender, young carrots will deny that they make one of the most delicious dishes the garden can supply. Carrots can also be used with salads, and are also valuable in mixed pickles.



Danvers Half Long

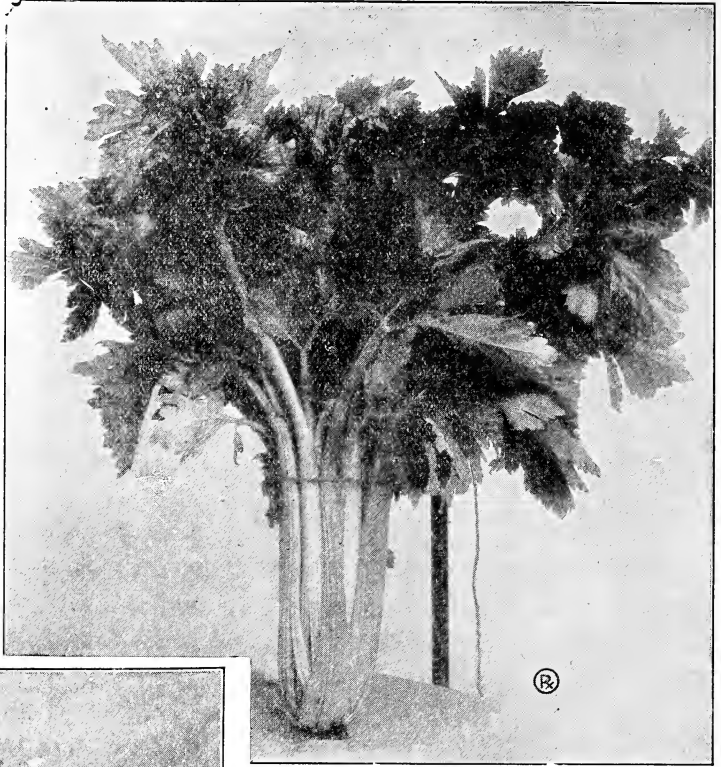
ADD POSTAGE IF WANTED BY MAIL

CELERY

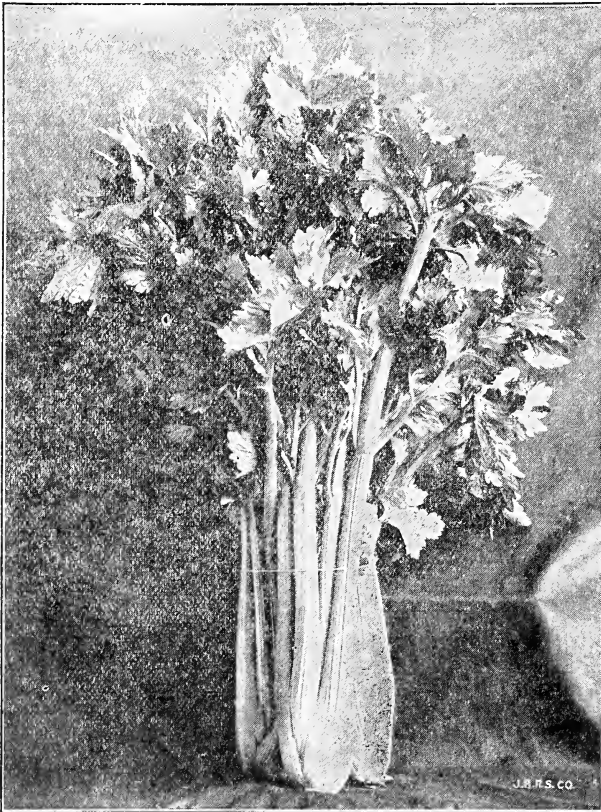
Plant seed in hot bed, or very early in open ground. When three inches high, transplant four inches apart, water and protect until well rooted, and then transplant to trenches, setting the plants 12 inches apart in rows. To blanch, draw the earth around the plants from time to time, taking care not to cover the tops of the center shoots.

New Golden Plume or Wonderful Celery. This is one of the best self blanching types yet produced and is about two to three weeks earlier and blanches in half the time as the old strains. It has a large, fast growing heart, is crisp and free from stringiness; oz. \$1.00; $\frac{1}{4}$ lb. \$3.50.

Golden Self Blanching. The leading early market variety, of dwarf habit, and of a beautiful golden yellow color. We have the right stock of this variety. Oz. 60c; $\frac{1}{4}$ lb. \$1.75.



Golden Plume



Giant Pascal

Easy Blanching. One of the earliest varieties to become ready for use and yet a good keeper for early winter. The stalks are thick, very brittle and a rich nutty flavor. Oz. 50c.

Columbia. A fine early variety. Medium size and very stocky. Stalks thick and rich golden color. Oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Giant Pascal. An early blanching and fine keeping sort; stocks very wide and thick; a good late variety. Oz. 40c; $\frac{1}{4}$ lb. \$1.00.

Golden Heart. Half Dwarf. When blanching the heart is of a beautiful golden color. Oz. 25c; $\frac{1}{4}$ lb. 75c.

White Plume. A distinct variety of great merit. Its stalk and inner leaves are naturally white, so that by tying up with matting or drawing the earth up around the plants with the hands, the work of blanching is completed. Oz. 30c; $\frac{1}{4}$ lb. 75c.

Celeriac, or Turnip Rooted — Roots largely used for soups. Oz. 25c; $\frac{1}{4}$ lb. 75c.

Add Postage if wanted by Mail



Golden Bantam

CORN

Plant the smaller varieties about the middle of May, in drills three feet apart, stalks ten inches apart in rows, or in hills three feet apart each way. The taller varieties on rich soil should be given more space. We have taken great pains to secure only the best varieties. 1 qt. will plant 200 hills.

White Cory. Equally as early as the Red Cory, with the advantage of being pure white. Qt. 30c; pk. \$2.25.

Black Mexican. A black grained variety; one of the sweetest; excellent for private gardens. Qt. 35c; pk. \$2.50.

Golden Bantam. The earliest and sweetest of all sweet corn, stalk grows from 3½ to 4 ft. high and bears from two to three ears 5 to 6 inches long, with eight rows of bright yellow grains, which are of the most delicious and tender quality. Though one of the earliest, it may be had throughout the season by successive plantings. Qt. 40c; 4 qts. \$1.40; pk. \$2.25; bu. \$8.00.

Golden Giant. The ears are large and is one of the most delicious yellow varieties. It possesses the beautiful golden color and fine flavor, and follows Golden Bantam. Qt. 40c; 4 qts. \$1.40; pk. \$2.50; bu. \$9.00.

Golden Sunshine. This new corn is a few days earlier than Golden Bantam. The stalks are four to five feet high. The ears have 10 to 12 rows of bright golden grain of sweet, delicious flavor. Qt. 40c; 4 qts. \$1.40; pk. \$2.50.

New Evergreen. Ears as large as Stowell's, 10 days earlier. Qt. 30c; 4 qts. \$1.15; pk. \$2.25; bu. \$8.00.

Kendall's Early Giant. Large handsome ears, ready in 70 days. This is one of the largest, sweetest and best productive of any early variety of sweet corn. Qt. 30c; 4 qts. \$1.15; pk. \$2.25; bu. \$8.00.

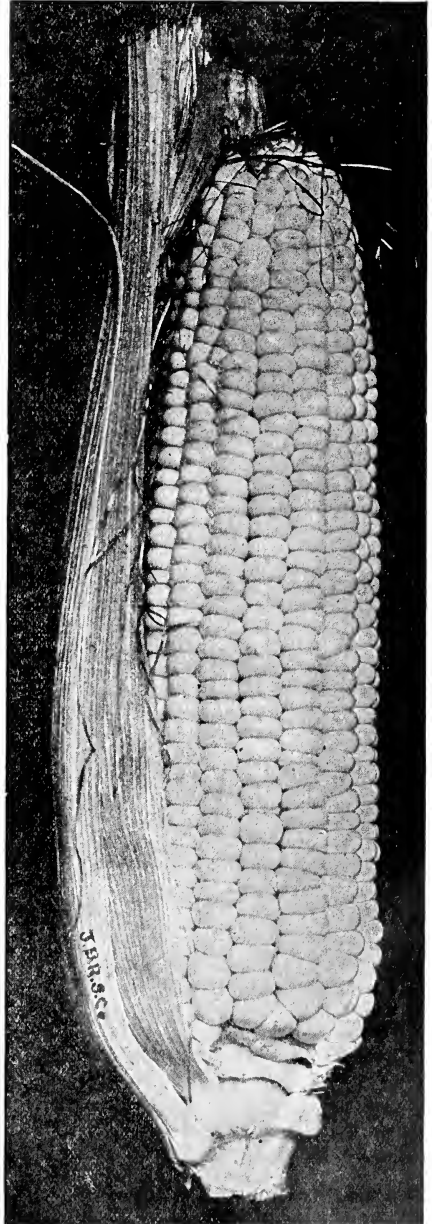
Stowell's Evergreen. A well-known late variety. Remains green longer than any other kind. Qt. 30c; 4 qts. \$1.15; pk. \$2.00; bu. \$7.00.

Country Gentleman. Next to the Black Mexican the sweetest corn grown. Grains grow in irregular rows. Qt. 35c; 4 qts. \$1.30; pk. \$2.50.

Golden Evergreen. This corn is the same in color as Golden Bantam, all the way through it has the appearance of Evergreen, only sweeter; will ripen the same time as Stowell's, it will take the place and will be the coming corn for late. Qt. 40c; 4 qts. \$1.40; pk. \$2.50; bu. \$8.00.

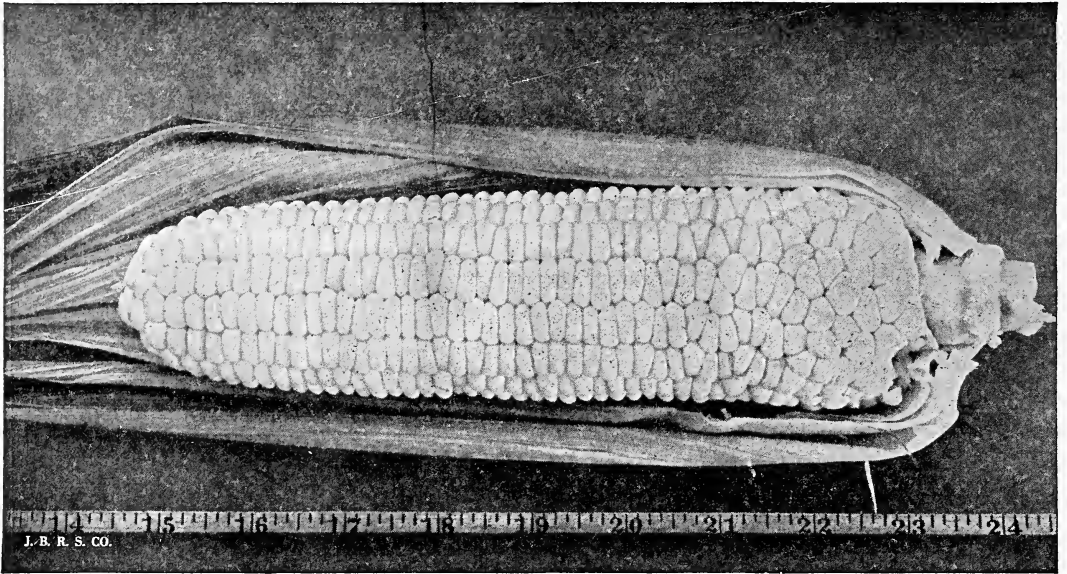
Golden Cream. A very attractive golden yellow corn, ready to use in 85 to 90 days from planting. Grains are long and pointed and remarkably sweet and tender. Qt. 40c; 4 qts. \$1.40; pk. \$2.25; bu. \$8.00.

OUR SEEDS ARE RELIABLE



Evergreen Corn

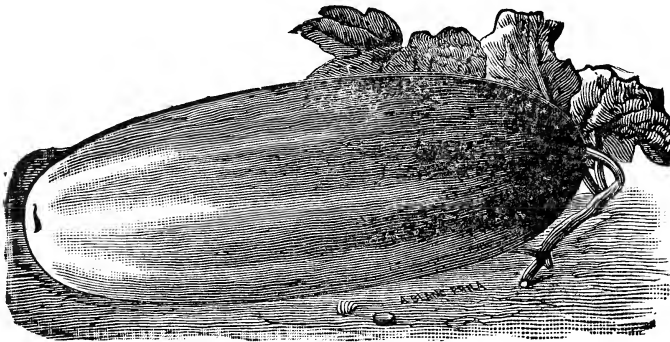
CORN—Continued



Bantam Evergreen

CUCUMBERS

Cucumbers should not be planted until all danger from frost is past. Sow in light, rich soil, in hills four feet apart, the seeds to be covered about one-half inch with finely pulverized soil and firmly pressed down with the back of the hoe. When well up and out of danger from insects, thin to 4 plants in a hill. The middle of June is early enough to plant for pickling. 1 oz. will plant 50 hills.



White Spine

Improved White Spine. Excellent for table use; a great bearer. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Long Green. An old standard sort; makes hard brittle pickles. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

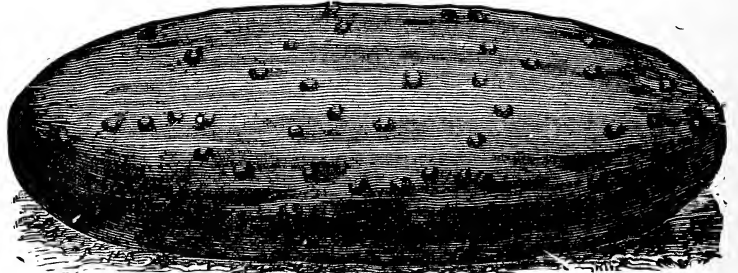
Nichol's Medium Green. As a pickling variety it is unsurpassed. Noted for its uniform growth and great productiveness. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

The Davis Perfect (New). In color a dark, glossy green. Shape, slim and symmetrical, with an average length of ten to twelve inches. They never grow pussy and hold their color till nearly ripe. The qual-

ity is fine, as it has very few seeds, which are small, and very soft when fit for table use. It is a strong grower and successfully resists the cucumber disease. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

Boston Pickling. A good variety for small pickles. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Chicago Pickling. A nice variety for small pickles for canning; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

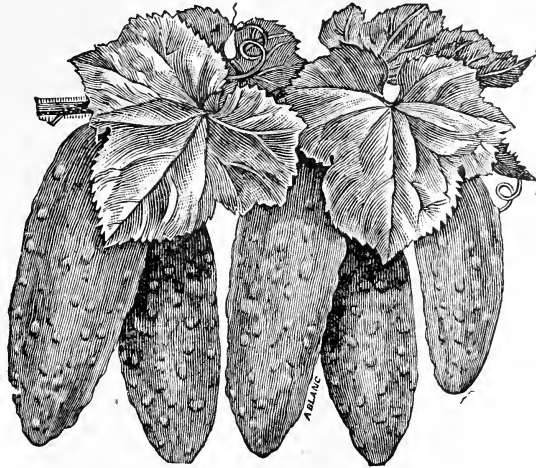


Davis Perfect

CUCUMBERS—Continued



Long Green



Pickling Cucumber

EGG PLANT

A tender annual, producing large, egg-shaped fruit, and considered a great delicacy. Sow the seed in a hot bed early in March. When the plants are three inches high transplant to pots which plunge in the same bed so that the plants may become stocky and are readily set out. When the weather becomes warm, transplant into good soil, three feet apart each way. 1 oz. will produce about 1500 plants.

Improved New York Purple. An improved variety of the Round Purple; of deeper color, large size and finer quality. Oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Black Beauty. Rich, dark purple, large and symmetrical, maturing a little earlier than our Improved Large Purple and usually not as large. Very desirable for market as the fruit holds its color a long time. Oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Early Long Purple. This variety has long fruits $2\frac{1}{2}$ inches in diameter and from 6 to 8 inches long. The fruits are deep purplish black skin. It is very early and productive. Oz. 40c; $\frac{1}{4}$ lb. \$1.50.

DANDELION. — Broad Leaf. 50c per ounce.

CORN SALAD, or FETTICUS

A nice salad; is fit for use in six or eight weeks from time of sowing. If wanted early in spring, sow in September and cover with straw or leaves as soon as cold weather sets in.

Large Seeded—Oz. 15c; $\frac{1}{4}$ lb. 50c.

BORECOLE or KALE

Sow from middle April to May; in June transplant to rich mellow soil, and cultivate same as cabbage. They are rendered very tender and delicious by moderate touches of frost in autumn.

Green Curled Scotch. Bright green, beautifully curled. Oz. 15c; $\frac{1}{4}$ lb. 50c.

CRESS or PEPPER GRASS

A useful salad plant. It gives a pungent relish mixed with lettuce or other salad plants. Sow seed thickly, at frequent intervals for a succession, in drills 1 foot apart.

Extra Curled. Very fine. Will bear frequent cutting. Oz. 15c.

WATER CRESS

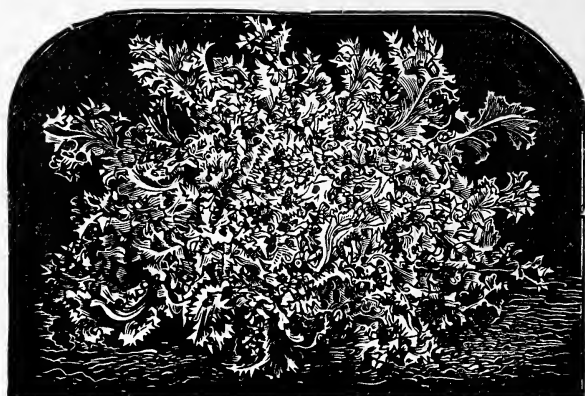
An aquatic plant, should be sown on the edges of streams in shallow water. Oz. 50c.

OUR SEEDS WILL GROW

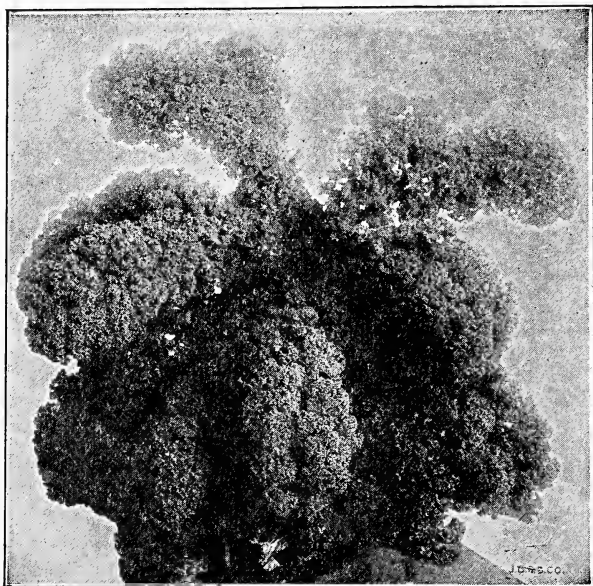
ENDIVE

This vegetable is highly esteemed as a salad for fall and winter use. For an early supply sow in April or May; for general crop delay sowing until latter part of June. When the plants are 3 or 4 inches high, transplant 1 foot apart each way, and keep free from weeds until the leaves are 6 to 8 inches long; then blanch by gathering them carefully together when perfectly dry and tying by their tips in a conical form to exclude light and air. From three to six weeks are required to thoroughly blanch.

Broad-leaved Batavian. Leaves broad, nearly plain. Oz. 15c; $\frac{1}{4}$ lb. 50c.



Curled Endive



Dwarf Curled Scotch Kale

DWARF CURLED—Scotch Kale. Oz. 15c; $\frac{1}{4}$ lb. 50c.

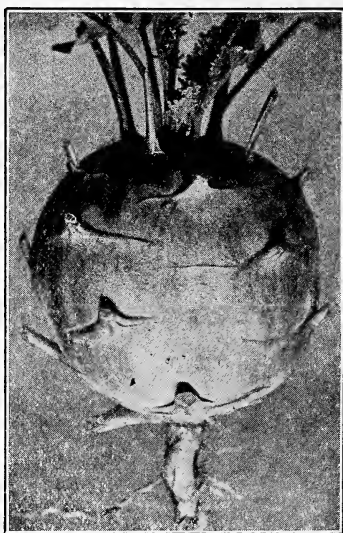
LETTUCE

For early supply sow in hot beds in March, and for main crop in the spring as soon as the ground can be worked. Thin or transplant when one inch high to one foot apart for heading. Hoe frequently to prevent them from going to seed. 1 oz. will sow a bed of 120 square feet.

Hanson. This variety for outdoor culture cannot be excelled. The heads grow to a remarkable size and are sweet, tender and crisp even to the outer leaves. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Iceburg. This is a large head of splendid crisp and slightly curled and very solid; a wonderful keeper; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Cos-Romaine or Italian.—Narrow, smooth shaped leaves folding in loose leaf heads. Very tender. Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.



White Vienna Kohl Rabi

Moss Curled. Moss-like appearance, beautifully curled. Oz. 15c; $\frac{1}{4}$ lb. 50c.

Large Cream Curled. A hardy, vigorous growing variety with bright, deep green leaves, the dense mass of deeply divided leaves formed in the center, blanches very readily to rich creamy white. Highly esteemed and much used for salads. Oz. 15c; $\frac{1}{4}$ lb. 50c.

KOHL RABI

Sometimes called Overground Turnip. Sow the seed frequently through June for a succession in rows two feet apart; thin the plants to one foot in the rows.

Early White Vienna. Flesh white and tender; very productive. Oz. 25c; $\frac{1}{4}$ lb. 75c.

Early Purple Vienna. Very hard flesh of a purple color. Oz. 25c; $\frac{1}{4}$ lb. 75c.

Add Postage if wanted by Mail

LETTUCE—Continued

Black Seeded Simpson. Like the Silesia, this variety does not form a head but differs from that variety in being much lighter in color. Stands the heat well and is well suited for forcing. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Big Boston. An early, large heading variety, may be used either for forcing or open ground. One of the best for market gardeners' use. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25

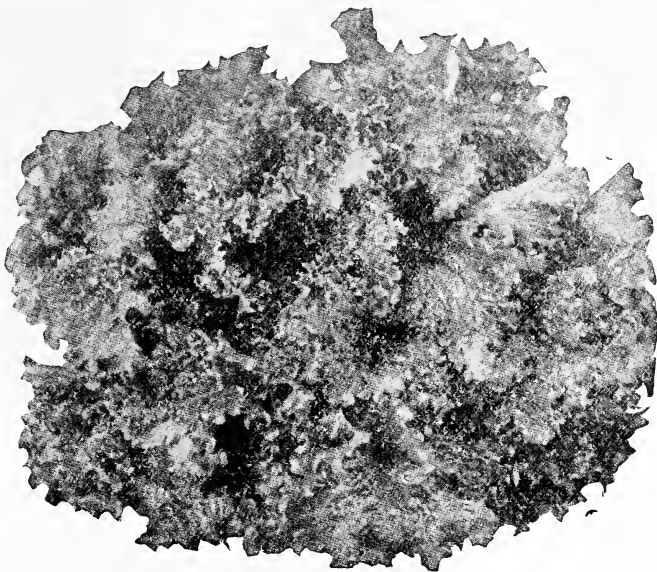
California Cream Butter. A splendid variety for summer. It produces a very large and white head. It will stand extreme heat. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Grand Rapids. Good forcing variety. Oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.25

May King. Extra fine for cold frames. Makes large solid heads, 6 to 7 inches in diameter, with broad, light green outer leaves; grown outdoors, it is extremely early; for forcing it is in every way desirable. The center blanches rich yellow. A particularly fine lettuce for the home garden as well as for market. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Prize Head. Large, loose heads of a bright green; leaves beautifully frilled at the edge and washed with red, giving it a very unique and handsome appearance. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Wayahead. May be grown in cold frames or open ground early in the spring. The inside turns yellow and the outer leaves are light green. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.



Grand Rapids



Big Boston

MUSTARD

Southern Curled. The true curled variety used for early greens. Oz. 15c; $\frac{1}{4}$ lb. 45c.



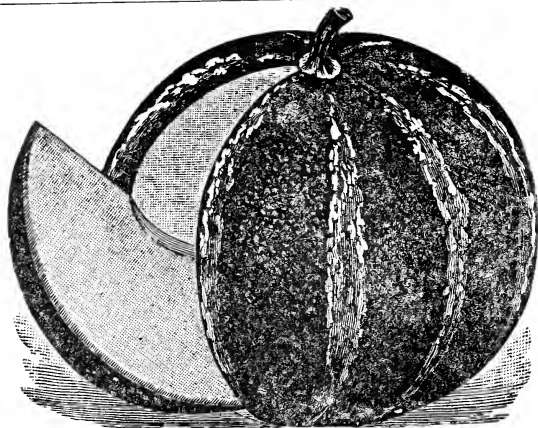
American Flag

LEEK

A wholesome and useful vegetable. Sow in April in drills one foot apart and one inch deep; thin the plants to ten inches. 1 oz. for 1,000 plants.

American Flag. Largest of all. Oz. 20c; $\frac{1}{4}$ lb. 75c.

OUR SEEDS ARE RELIABLE



Emerald Gem

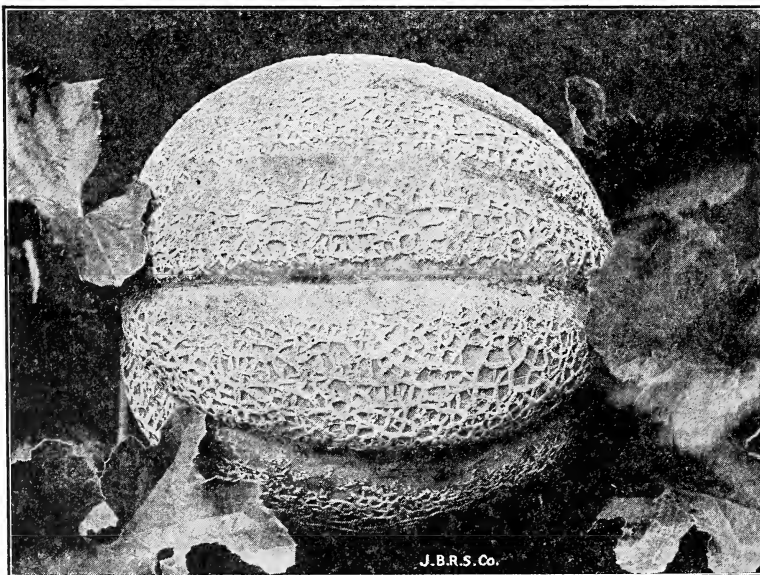
everywhere and sought for by lovers of good melons. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Bender's Surprise. A very popular variety in the East. It is a delicious melon with beautiful salmon flesh, large, oblong in shape, matures early. Oz. 10c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

Emerald Gem. Small, extra early; skin dark green; flesh orange and of delicious flavor. Oz. 10c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

Early Hackensack. Extensively grown for market; large, sweet, productive and early; skin and flesh green. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Osage (also known as "Miller's Hybrid" and "New Princess"). A strong growing productive green skinned variety; flesh a rich salmon color and very thick. It makes a fine appearance and is a good selling melon. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



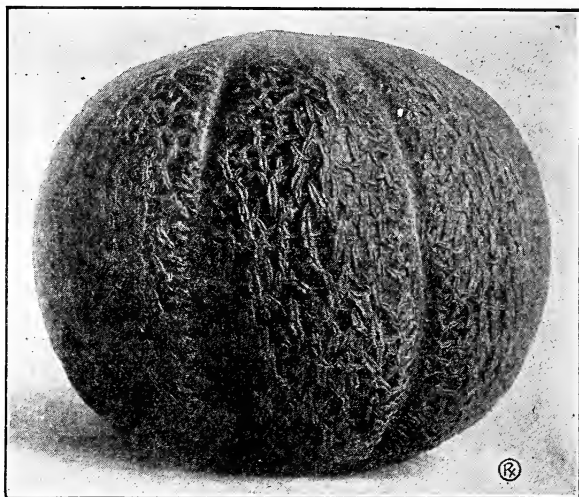
Bender's Surprise

MELON-(Musk)

Select light warm soil; plant in hills six feet each way. The hills should be prepared by digging out the soil a foot deep and thoroughly mixing in a couple of shovelfuls of well rotted manure, filling up a little above the level. Planting should be deferred until warm, settled weather. 1 oz. will plant 100 hills.

Lake Champlain. This melon has been on the market for the past six or seven years, it has proved one of the earliest yellow fleshed melons on the market, the shape is about the same as Emerald Gem but is larger in size and about 2 weeks earlier. Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Rockford. Originated in Colorado; the most popular green flesh melon of the times; known



Lake Champlain

Hearts of Gold. An ideal shipping melon of the very finest quality. Flesh rich orange color, very thick, firm and of delicious flavor. Its vine is a vigorous grower and a heavy cropper. Oz. 10c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

MELON—(Water)

Cole's Early. An early thin round variety; hard and productive. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

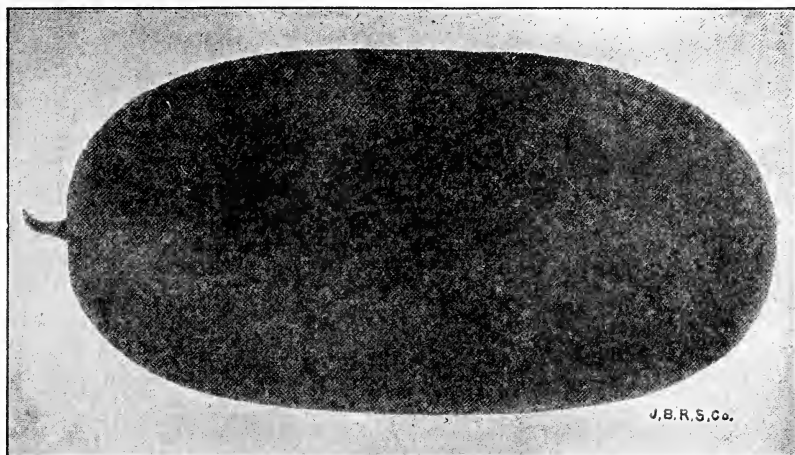
Hungarian Honey. An old variety; one of the richest; medium size; dark green skin, red flesh. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Kleckly Sweets. Sweetest of all Water Melons; oblong shape; dark green color and white seeds; without doubt the finest melon ever produced. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

**MELON—(Water)
Continued**

Citron. Red seeded, medium size, used for sweetmeats and preserves. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

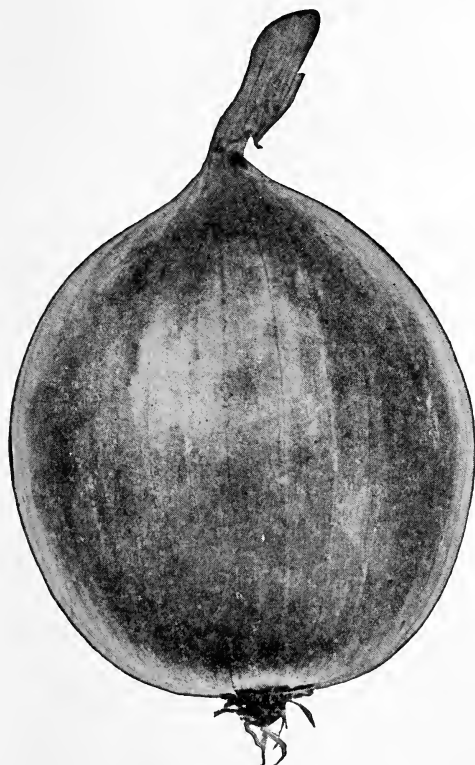
Tom Watson. This is a large melon and long in shape, weighing from 30 to 40 pounds, color dark green with deep rich red flesh. A splendid market melon, very sweet, tender and juicy. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



Tom Watson

O N I O N S

The Onion should have a clean, loamy and very rich soil. The use of well rotted compost is very beneficial and Onions will do well if sown on the same piece of land for a succession of years. Sow seed as early as possible, in drills fourteen inches apart and half an inch deep. As Onions grow on top of the ground they may be allowed to remain pretty thick, no matter if they crowd each other. In hoeing, which should be frequently done, do not cover the young bulbs with earth. 1 oz. of seed will sow a bed 5 by 200 feet.



Southport Yellow Globe

Southport Yellow Globe. Oz. 20c; $\frac{1}{4}$ lb. 65c; lb. \$2.00.

Southport White Globe. Oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

Large Red Wetherfield. A large flat variety; skin deep red, flesh purplish white; very productive, good keeper, popular in the Eastern markets. Oz. 20c; $\frac{1}{4}$ lb. 65c; lb. \$2.00.

Red Globe. This is an early onion of deep red color and very attractive. Keeps well in winter. Oz. 20c; $\frac{1}{4}$ lb. 65c; lb. \$2.00.

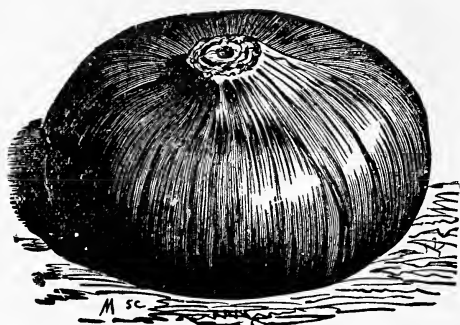
Prize Taker. A large foreign variety; equal in quality to the Spanish varieties. To reach perfection should be started in a hot bed and transplanted. Oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25.

Philadelphia Yellow Dutch, or Strasburg. A good keeper and well flavored; bright straw-colored skin and somewhat flattened shape. The Onions grow to a good size and are very mild. This variety is largely grown for sets on account of its excellent keeping qualities. Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Yellow Danvers—Flat. Reliability for bottoming and large yield are both combined in our improved strain of this popular variety. It ripens early, is entirely free from stiff necks, keeps well,

Add Postage if wanted by Mail

ONIONS — Continued



Flat Danvers

and sells readily. This variety is now being planted in many sections for growing sets being preferred by many to the Strasburg. Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Silver Queen. This is a small white onion, very early, grown chiefly for pickling. Oz. 30c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

White Barletta. A small white pickling onion, mild and very tender. Oz. 30c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

ONION SETS—Plant as early in spring as the ground can be worked, in rows one foot apart. We handle only the Celebrated Erie Sets which are always hard and in good condition.

Yellow Onion Sets—Qt. 20c; pk. \$1.40.

White Onion Sets—Qt. 25c; pk. \$1.50.

PUMPKIN

Cultivated usually among corn. Treatment same as squash.

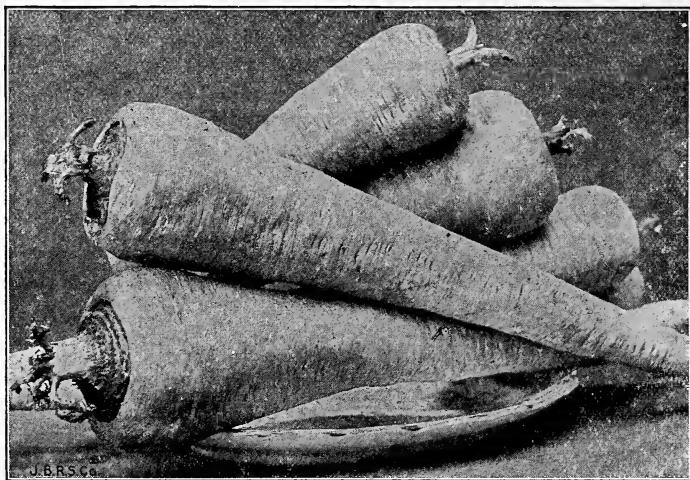
Connecticut Field. Best for stock. 50c per qt.

Sugar. Medium size; fine quality. Excellent for cooking. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

PARSNIPS

Sow in rich, deep and well-manured soil, as early as the weather will permit, in rows fifteen inches apart and one-half inch deep; thin out to five inches apart. They are improved by frost and are usually left in the ground all winter, and dug out as needed.

Hollow Crowned. One of the best, either for table or stock. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.



Hollow Crown



Extra Double Curled

PARSLEY

Parsley seed germinates very slowly, and frequently remains in the ground from two to three weeks without showing any sign of vegetation. Seeds sown out of doors should be soaked in warm water at least twenty-four hours previous to planting. When the plants are 2 or 3 inches high, thin out to 4 in. apart in the rows.

Champion Moss Curled. A very select stock; leaves beautifully curled; the best for garnishing. Oz. 15c; $\frac{1}{4}$ lb. 35c.

Extra Curled. Fine dwarf variety, admirably curled; very popular. Oz. 15c; $\frac{1}{4}$ lb. 35c.

Plain Parsley. The leaves of this variety are plain. It is hardier than the curled variety; good for flavoring. Oz. 15c; $\frac{1}{4}$ lb. 35c.

Turnip Rooted. The root resembles a small parsnip; extensively used for soups. Oz. 15c; $\frac{1}{4}$ lb. 35c.

OUR SEEDS ARE RELIABLE

PEAS

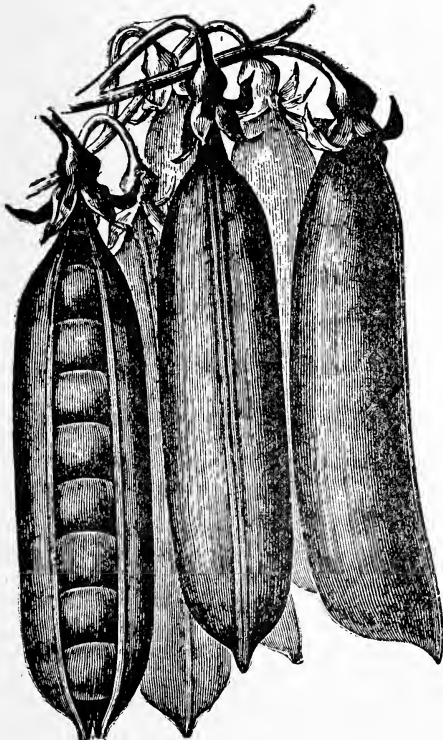
The Peas are very hardy and will endure a great amount of frost and cold with safety. They should be sown very early in order to have them for early use. Sow in single or double rows from two to four feet apart, according to the variety or the height they attain. Brush should be furnished the taller varieties as they appear. 1 qt. will sow from 150 to 200 feet of row.

Alderman Pea. This new pea was imported by us from England and we found it in many respects the very best early main crop variety of the Telephone type. Pods very large, long, dark green, similar to the Duke of Albany and about the same season. The peas are of largest size and unsurpassed in quality. Market gardeners are demanding the large podded, dark colored sorts, which retain their fine color even after shipping a long distance. The Alderman meets these requirements, and furthermore, is the most productive variety of this class. We recommend it especially for the market gardener and home market. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.00.

Gradus. The greatest of peas of recent introduction. Large handsome pods, resembling Telephone in size and shape, and as early as the earliest. A combination that cannot fail to attract the market gardener. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.00.

American Wonder. A very early green wrinkled dwarf variety; peculiarly suited to the private garden; height, ten inches. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.00.

Alaska. The earliest pea known. Qt. 35c; 4 qts. \$1.25; pk. \$2.25; bu. \$8.00.



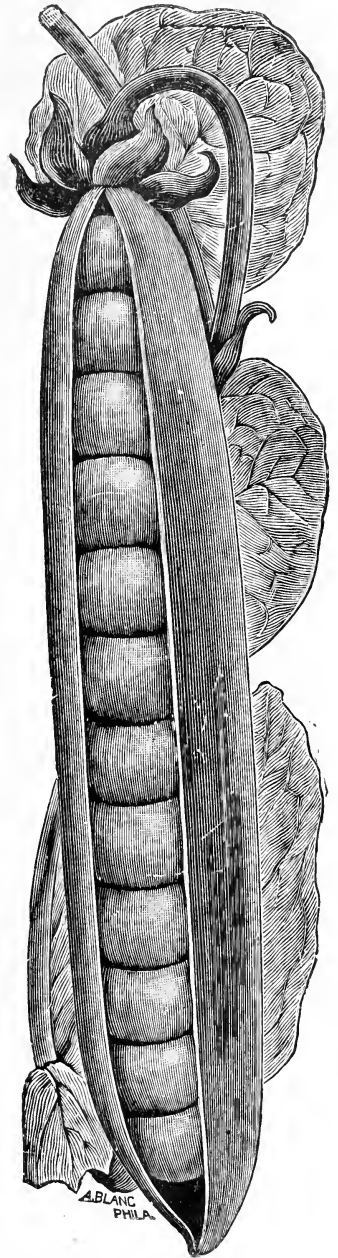
Dwarf Garden Peas

Telephone (Improved Dark Pod.) An extra selected strain with very large dark green pods, always coming true; the result of careful breeding. The improvement over the ordinary kind is so marked that we consider this the best Telephone type now obtainable. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.00.

Bliss Everbearing. — Height 2½ feet; the pods are broad and borne at the top of the vine. The peas are large and of superior flavor. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.00.

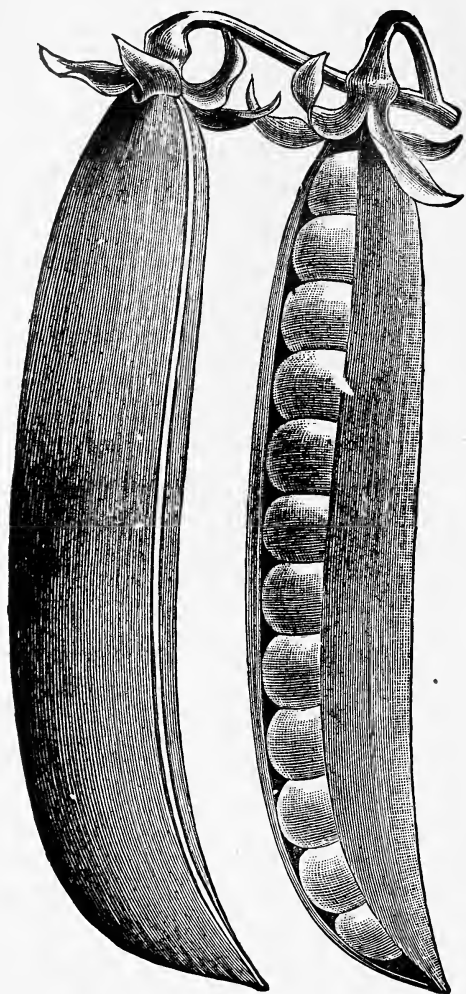
Blue Bantam. A dwarf variety, growing about 15 in. with heavy foliage; the pods that run 4 to 5 inches long are well filled. A prolific variety for gardens and field. Qt. 50c; pk. \$3.00; bu. \$10.00.

Carter's Daisy, or Dwarf Telephone. This is a dwarf variety, bearing large, handsome pods like Telephone, but without long vines, and grows more dwarf than Strategem. It is of dwarf, stocky habit, healthy, vigorous growth, and very productive. Its season, medium, from 5 to 7 days earlier than Strategem. The pods are



Gradus

PEAS—Continued



Improved Telephone

long, frequently measuring 5 inches in length, broad, rounded or curved at the end, remarkably well filled; color green, thick and of good lasting quality; height, 18 inches. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. 9.00.

Landreth Extra Early. We have been improving this strain of extra early peas for years, and now have a very choice strain. It is the earliest and most prolific variety; height, 20 inches. Qt. 35c; 4 qts. \$1.25; pk. \$2.25; bu. \$8.00.

Melting Sugar—5 feet. The mammoth variety producing abundantly immense brittle pods that "snap," without strings; very sweet and tender. Qt. 50c.

McLean's Little Gem, or Premium Gem. A dwarf, prolific, green, wrinkled marrow; habit similar to the Tom Thumb. It has all the sugary flavor of the late wrinkled pea. Height, 1 ft. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.

Nott's Excelsior. One of the best of the early dwarf wrinkled peas. It combines the good quality of American Wonder and Premium Gem. Vines being larger and more productive than the American Wonder and ripens earlier than the Premium Gem. Vines average about 12 inches in height. Pods medium size, 2 to 3 inches long. Quality best of the early ones. Seed medium size wrinkled green and somewhat flattened. Most desirable for home garden. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.00.

Thomas Laxton. A comparatively new variety of large-podded Pea. The plant is very hardy and a strong grower, producing extra large size pods in abundance. The quality is delicious and can not be surpassed. Matures nearly as early as any of the extra early smooth Peas, and being a wrinkled sort, is much sweeter. Qt. 40c; 4 qts. \$1.50; pk. \$2.50; bu. \$9.00.



Chinese Giant

PEPPERS

Cultivated largely for pickles. Sow early in spring in hot bed. Transplant when the weather is favorable, in rows eighteen in. apart and ten inches in the rows.

Chinese Giant. Double the size of Ruby King. The largest in existence. Extremely mild and sweet, can be served sliced like tomatoes. Oz. 50c; ¼ lb. \$1.75.

Cayenne. Long, slim, pointed pod; extremely strong and pungent. Oz. 40c; ¼ lb. \$1.50.

Harris Earliest. Sweet peppers, can be grown everywhere; has sweet, thick meat, fine flavor; vigorous plants. Oz. 50c; ¼ lb. \$1.50.

California Wonder. A new sort of large size and having wonderfully thick flesh. In color it is dark green, changing to crimson when ripe. Oz. 60c; ¼ lb. \$2.00.

PEPPERS—Continued

Ruby King. Very large ruby red variety; flesh thick, crisp and tender. Oz. 40c; $\frac{1}{4}$ lb. \$1.20.

Sunny Brook. Is the tomato-shaped Pimento, very thick, sweet flesh and is of bright red color. Oz. 50c; $\frac{1}{4}$ lb. \$1.75.

Large Bell, or Bull Nose. Our stock of this well-known variety, sometimes called Sweet Mountain, is very superior. Plants are vigorous, about two feet tall, compact, and very productive, ripening its crop uniformly and early. The fruit is large with thick, mild flesh of excellent quality for use in salads, mangoes or stuffed peppers. The color is dark green when growing and bright crimson when ripe. Oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Pimento. Mildest and one of the best of all peppers. Medium size fruit, uniform shape, smooth with thick flesh. Great favorite with gardeners because it produces enormous yields. Oz. 50c; $\frac{1}{4}$ lb. \$1.75.

World Beater. A fine, new selection of the Ruby Giant type. Later but larger and a little more blocky in shape than the Ruby King; flesh quite thick and sweet; bright scarlet when ripe. Oz. 50c; $\frac{1}{4}$ lb. \$1.75.

Napolitan. A variety in which the length is equal to twice the diameter, a sort exceedingly productive, yet so remarkably early for a large size fruit as to be classed among the extra earlies; a variety free from hot or burning qualities that is to say it is sweet and

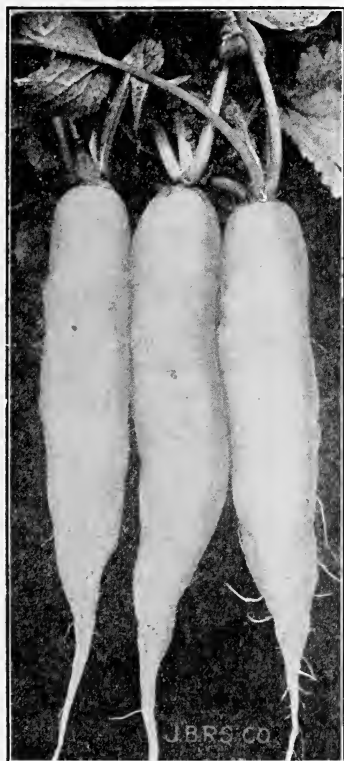
mild, particularly suitable for domestic use; a variety especially adapted for shipping as the fruit retains its plumpness and color for a remarkable length of time. Oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Small Chili. Red conical pods, about 2 inches long, very hot and prolific. Oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Crimson Giant. Large red pepper; mild flavor similar to Chinese Giant; a good market variety. Oz. 50c; $\frac{1}{4}$ lb. \$1.75.



World Beater



Icicle

RADISH

The Radish will succeed best in a rich, sandy loam. For early use sow in hot beds in February or March, and in the open air as soon as the ground can be worked. For a succession sow every two weeks until June. The winter varieties should be sown in August and treated similar to Turnip. 1 oz. of seed will sow a bed of 5 by 20 feet.

Vick's Scarlet Globe. Excellent for forcing; early, handsome color; mild flavor. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

French Breakfast. A fine early variety; olive shaped; white tipped. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Rosy Gem. The earliest Radish in cultivation; in shape globular, with rich, deep scarlet top, blending to white at the bottom. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Icicle. The finest white Radish; long, slender, pure white roots and crisp until they grow large; they mature early and have short tops which permit close planting and forcing; regarded by many of our customers as the finest Radish they have ever grown; plant every 10 days for succession. It is mild, crisp and white. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

ADD POSTAGE IF WANTED BY MAIL

RADISH—Continued

Chartier. A long Radish, distinct in color from any other sort, being crimson at the top, gradually blending to a pure waxy white; may be grown to a large size before becoming pithy and unfit for use. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



Vick's Scarlet Globe

Black Spanish Round Winter. Will keep all winter. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

RHUBARB (Pie Plant)

Victoria. The best variety for cooking. Roots 10c; doz. \$1.00; per 100, \$8.00.

SORREL. — Large Leaved. Used for soups and salads. Oz. 35c.

SQUASH

The Squash, being a tender vine, should not be planted until all danger from frost is past. Plant in hills, the bush varieties about four feet apart, the running kinds from six to nine ft. according to their nature. Cutting off the leading shoots of the running sorts is recommended as having a tendency to promote growth and early maturity of fruit. 1 oz. of seed will plant from 40 to 80 hills.

Mammoth Crook Neck. Double the size of the ordinary Crook Neck, often two feet in length; quality good. Oz. 10c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.



Giant Crookneck

Golden Globe. An improvement on the Yellow Turnip, being much larger; stands the heat of summer well. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

White Strasburg. A desirable summer variety; large at the top, tapering to a point. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Long Black Spanish Winter. Grows to a large size; of oblong shape; quite solid. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.

Giant White Stuttgart — A large globe-shaped Radish, of mild flavor and snow-white skin and flesh; rapid grower, excellent for market gardeners. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Large Scarlet Short Top. Very tender and crisp and of mild flavor. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Crimson Giant. A large, round, red radish, best for summer use, will stand hot weather, very crisp. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

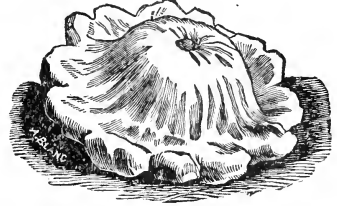
Chinese Celestial. — Large white radish for fall and winter. Very solid. Oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SQUASH—Continued

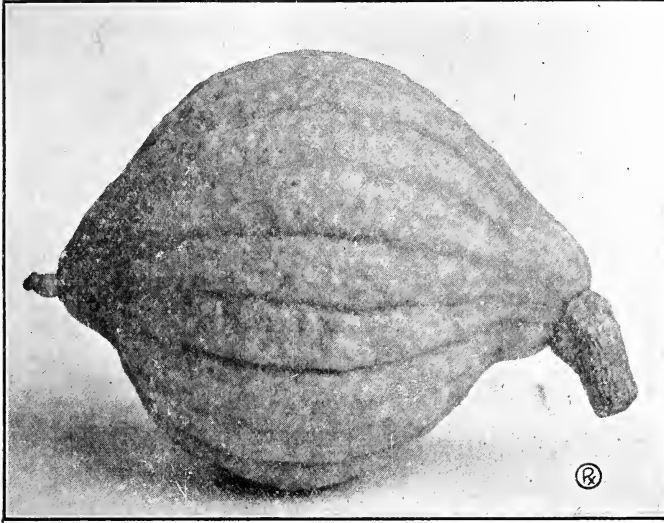
White Bush. The skin is almost white and has a fine flavor. Oz. 10c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Yellow Bush. This squash is similar to the above only yellow in color. Oz. 10c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Golden Hubbard. A true Hubbard Squash, except in color, which is a bright orange red; shell warty, hard and strong. The fruits are



White Bush



Blue Hubbard

uniform in size and weighing from 6 to 8 lbs., and same shape as Hubbard; cooks dry and good flavor. Oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

Large Warty Hubbard. A new strain of larger size, increased productiveness and a hard, green, warty shell, rendering it the best keeper of all. Oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

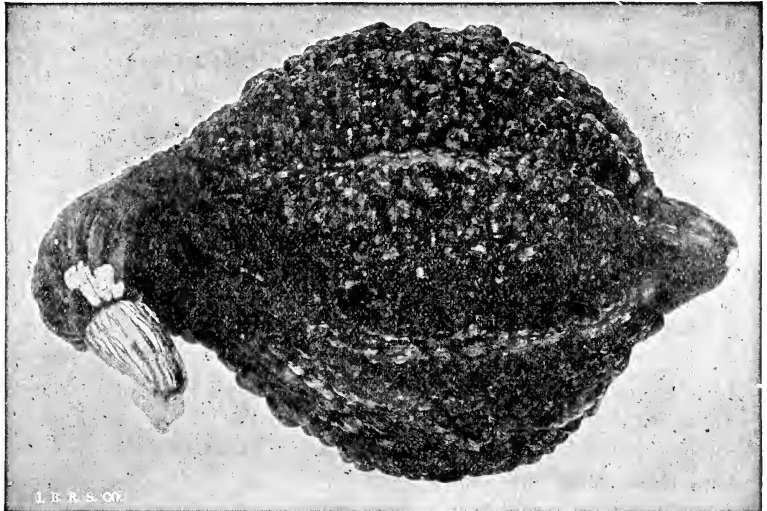
Blue Hubbard. A new type of the famous warty Hubbard squash. The large warty shell is of a blue-gray color and well ripened fruits will keep all winter if properly stored. The thick flesh is of excellent yellow quality. Oz. 10c, $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

SPINACH

For summer use sow early in spring in drills one foot apart. For early spring use sow in August or September, and protect during winter with straw or leaves. 1 oz. of seed will sow 100 ft of row.

Bloomsdale Savoy. The best variety for fall sowing. It is very hardy and produces thick, dark green leaves of excellent quality. Oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

New Zealand. This Spinach will stand the hottest weather and is a continuous grower. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.



Warty Hubbard

OUR SEEDS ARE RELIABLE

SPINACH—Continued

King of Denmark. This new variety is a wonderful spinach for spring planting, as it is very slow to go to seed, continuing to grow and hold its fine quality for weeks after all other sorts have gone to seed; has dark green leaves of large size. Oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Victoria. Known for its fine quality and dark savoy leaves. Oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Long Standing. A large crimped, thick fleshy leaf. Oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

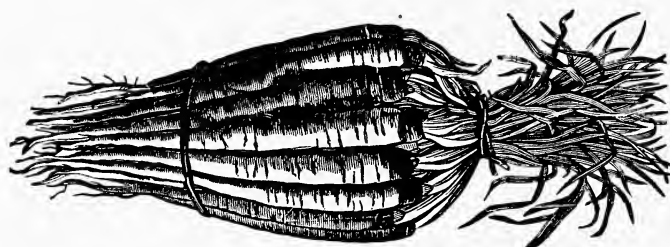


Bloomsdale Spinach



King of Denmark

Salsify or Vegetable Oyster



Mammoth Sandwich Island

Select light, rich soil. Sow the seed early in spring, in rows 12 inches apart. When the plants are two or three inches high thin out to 6 inches from each other in the rows. It is perfectly hardy and may be treated same as parsnips. 1 oz. of seed will sow 50 ft. of row.

Mammoth Sandwich Island. A new variety; grows double the size of the ordinary kind. Oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.

TOMATOES

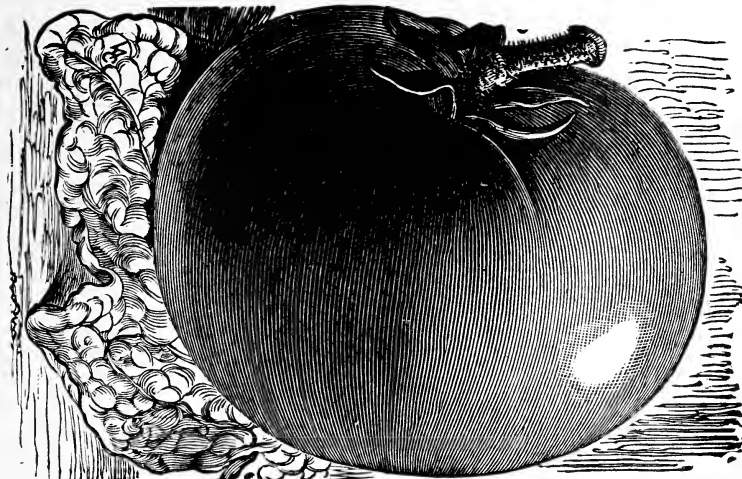
Sow the seed in March in a hot-bed. When the plants are two or three inches high, thin them out and set in pots, or set in another bed to give them room and make them "stocky." When five to six inches high, if the weather is warm and settled, transplant to the open ground, setting the plant four feet apart each way. The Tomato requires a sunny location and rich soil to produce handsome specimens and a good crop. One ounce of seed will produce 3,000 plants.

Avon Early Tomato. This variety is several days ahead of Spark's Earliana; is deep scarlet red in color, and will average 3 to the pound; they have small seed cavities and are very solid. Oz. 50c.

John Baer. This new and exceptionally early Tomato has won much praise from all who have tried it. It is very large, free from core and of an attractive bright red color; ; very prolific. One plant often having fifty to seventy-five fruits which are borne in clusters and ripen evenly clear up to the stem; never bursts. Unexcelled for early home or market use. Oz. 30c; $\frac{1}{4}$ lb. 90c.

ADD POSTAGE IF WANTED BY MAIL

TOMATOES—Continued



Spark's Earliana

Spark's Earliana. A new, extra early variety; large size, handsome shape, bright red color; a most profitable variety for the market gardener. Oz. 30c; $\frac{1}{4}$ lb. 90c.

Chalk's Early Jewel. Ripens later than Spark's Earliana, but more desirable for home use, as fruits are thicker through and more solid; color bright scarlet; quality good. Oz. 30c; $\frac{1}{4}$ lb. 90c.

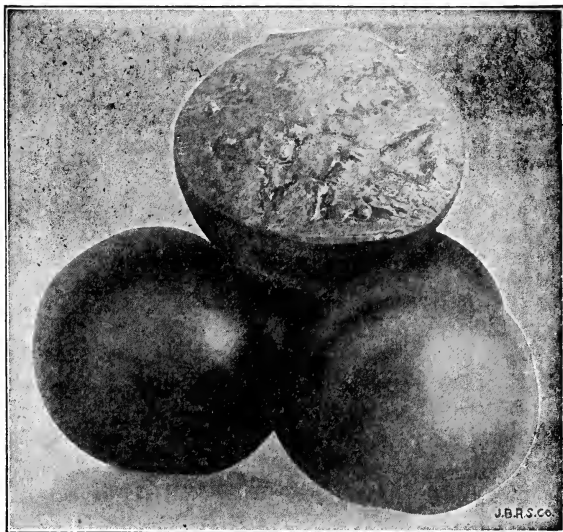
Bonny Best Early. This is an early and very popular variety, not quite as early as the best strains of Earliana Tomato. It is a vigorous grower, enormously prolific

with splendid foliage and velvety glowing scarlet color, ripens all over up to the stem. Oz. 30c; $\frac{1}{4}$ lb. 90c.

June Pink. An early variety, heavy yielder. Similar to the famous Earliana, except its color is pink. Will ripen in 85 days. Oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Marglobe. Earliest successful wilt-resistant variety, is a large globe shaped red tomato. It is a wonderful yielder. Oz. 45c; $\frac{1}{4}$ lb. \$1.40.

Champion Dwarf. A distinct and valuable sort, having a strong main stem, which enables it to support its fruit well up from the ground. The crop ripens up early and evenly. It is a good cropper, smooth, medium in size, acme in color. Oz. 30c; $\frac{1}{4}$ lb. \$1.00.



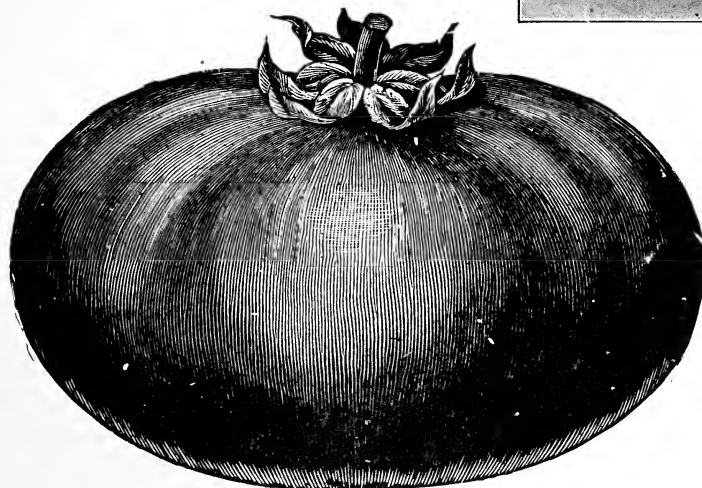
John Baer

Livingstone's Beauty. An early variety; fruit a glossy crimson, growing in clusters of four or five, retaining its size until late in the season. Oz. 30c; $\frac{1}{4}$ lb. 90c.

Dwarf New Stone. A bright red, perfectly smooth and solid tomato; thicker from stem end to blossom end than most varieties; for all around purposes we consider this the best one in the list. Oz. 45c; $\frac{1}{4}$ lb. \$1.40.

Yellow Plum. For Preserves. Oz. 30c.

Ponderosa. A mammoth tomato, pink color; few seeds and very meaty. Oz. 50c.



Chalk's Early Jewel

TURNIPS

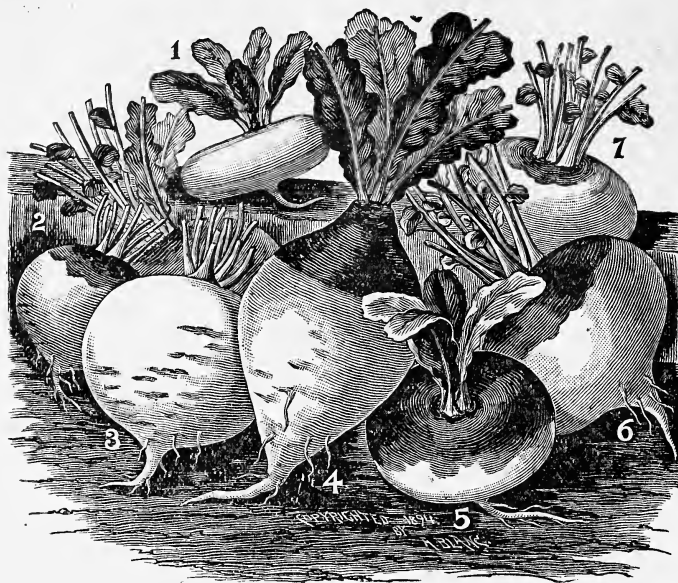
For early use sow as early as the ground can be worked in the spring. For fall and winter use the seed should be sown from the middle of July to the middle of August.

White Egg. An excellent variety; nearly oval or egg-shaped; flesh firm; fine grained and of snowy whiteness. Particularly desirable for the table. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c.

Purple Top Strap Leaf. The most popular kind in cultivation; matures quickly; flesh white and sweet. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c.

Golden Ball. A round, smooth variety of fine quality; skin bright yellow; good keeper. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c.

Purple Top White Globe. A large globe-shaped variety; fine for market purposes. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c.



Rutabaga or Swedish Turnip

Laing's Improved Purple Top. The earliest variety; flesh yellow; large, handsome roots, and good keeper. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c.

Sweet German or Russian. A large, white variety; first rate keeper, and good either for table or stock. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c.

TOBACCO. — Connecticut Seed Leaf. Culture: Sow seed in hot beds in good, rich soil, transplant in open ground when weather is settled. Price, ounce, 40c.

PLANTS

In their season we can supply the following list of Plants. Ask for prices.

CABBAGE,
VERBENA,
TOMATO PLANTS,

PANSY,
EGG PLANTS,
PEPPER,

CAULIFLOWER,
CELERY
SALVIA SPLENDENS,

PIE PLANT ROOT,
CANNAS,
ETC., ETC.

Sweet and Medicinal Herbs

Sow the seed of any of the kinds mentioned in the following list in April or May. Keep free from the weeds and as they come into flower cut the stems and leaves on a fair day, and spread in a shady place to dry for winter use. When cured wrap them in a paper to exclude air and store them in a place free from dampness.



	Pkt.	Oz.
Anise	5c	15c
Basil (Sweet)	5c	25c
Caraway	5c	15c
Coriander	5c	15c
Dill	5c	15c
Fennel (Sweet)	5c	15c

	Pkt.	Oz.
Lavender	10c	30c.
Marjoram (Sweet)	5c	40c
Savory, Summer	5c	25c
Saffron	5c	25c
Sage (broad-leaved)	5c	25c
Thyme	5c	75c

OUR SEEDS ARE RELIABLE

FLOWER SEEDS

ALYSSUM. One of the most elegant and useful little flowers cultivated, blooms continuously through the summer and survives the first hard frost. Hardy annuals. Oz. 40c.

—Sweet, pure white, very fragrant; pkt. 10c.

AMARANTHUS (Love Lies Bleeding). Pkt. 10c.

ANEMONE (Cononaria). An excellent spring blooming perennial; pkt. 10c.

ASTERS—Queen of the Market, are one of the most valuable for bedding as well as cutting.

	Pkt.	Oz.		Pkt.	Oz.
Mixed	10c	\$1.00	Lavender	10c	1.00
Blush Pink	10c	1.00	Rose	10c	1.00
Dark Blue	10c	1.00	White	10c	1.00

ASTERS—Giant Comet These are similar to the Crego Aster and are a great favorite in this country. The plants are upright and measure 12 to 15 inches tall.

	Pkt.	Oz.		Pkt.	Oz.
Malmaison	10c	\$1.00	White	10c	1.00
Pink	10c	1.00	Crimson	10c	1.00
Rose	10c	1.00	Mixed	10c	1.00
Purple	10c	1.00			

ASTERS—Giant Cregos—Are one of the prettiest types in existence, the flowers are large and measure 4 to 5 inches in diameter. They are fully double and are composed of long, graceful petals which are curled and twisted, which make them very artistic, and make a striking bouquet for home and market.

	Pkt.	Oz.		Pkt.	Oz.
White	10c	1.00	Purple	10c	1.00
Shell Pink	10c	1.00	Rose	10c	1.00
Crimson	10c	1.00	Mixed	10c	1.00

ASTERS—Ostrich Feather—A fine aster, resembling an ostrich feather, has curled fluffy petals.

—Pink or Mixed, each pkt. 10c; oz. \$1.00.

ASTERS—American Branching; is a very large double aster, with straight petals, grow on long straight stems and branch out which gives a great profusion of flowers.

	Pkt.	Oz.		Pkt.	Oz.
Shell Pink	10c	\$1.00	Lavender	10c	1.00
Azure Blue	10c	1.00	Mixed	10c	1.00
Purple	10c	1.00			

ASTERS—Heart of France—Rich red.

—American Beauty—Deep red.

—Carlson's Invincible—Mixed, double.

—Needle Type—Pointed petals, mixed.

—Late Beauty—Mixed, large and double.

—Giant Comet Branching—Mixed.

—California Sunshine Single.

The above are some specials which will please all lovers of this wonderful flower; pkt. 10c; oz. \$1.

BACHELOR'S BUTTON (Centaurea Cyanus).—

Pretty flowers, in bloom all summer, in shades of blue, pink and white mixed; 10c pkt.

BALSAM (Lady Slipper). A beautiful and popular class of plants. Tender annuals. Pkt. 10c.

BLUE LACE FLOWER. Stems 1½ ft. long. — Blooms from June to Sept. Pkt. 10c; oz. \$1.00.

BRACHYCOME (Swan River Daisy). 1 ft. tall. The plants form compact little bushes and bear daisy-like flowers in blue, white, rose and violet. Pkt. 10c.

CALENDULAS. These are one of the easiest growing flowers, will bloom during summer and fall.

Orange King	Pkt. 10c	oz. 40c
Lemon Queen	" 10c	" 40c
Mixed Double	" 10c	" 40c

CALLIOPSIS. One of the best hardy annuals; colors rich; flowers numerous and beautiful. Mixed, all colors, 10c per pkt.

CANDYTUFT (Iberis). An old and universal favorite; almost indispensable for bouquets.

—Empress, pure white, long spikes, pkt. 10c; oz. 50c. — Mixed, all colors, pkt. 10c; oz. 50c.

CARNATION. The most magnificent of all the Dianthus family; flowers large, beautiful and delightfully fragrant. Half hardy perennials.—**Carnation, German,** double, mixed, pkt. 10c, oz. \$1.00.

CANTERBURY BELL (Campanula). This is one of the most useful and well-known plants. Hardy perennials. Single, mixed, pkt. 10c.

COCKSCOMB (Celsia). Beautiful free flowering, graceful annuals, which for fine effect take the front rank in annual plants.

—Mixed, all varieties, 10c per pkt.; oz. \$1.00.

CALIFORNIA POPPY (Eschscholtzia). An exceedingly showy class of profuse flowering plants. Hardy annuals.

—Mixed, all good varieties, 10c pkt., oz. 40c.

CHRYSANTHEMUM. The tall double annual Chrysanthemums are among the most showy of summer flowering plants.

—Mixed, all the best varieties, 10c per pkt.

CASTOR OIL PLANT (Ricinus). One of the most stately and ornamental large plants cultivated. Looks best grown as single specimens. Half hardy annuals, 10c per pkt.; oz. 20c.

COLUMBINE (Aquilegia). The Rocky Mountain Blue and White. Blooms in May and June. Pkt. 10c.

COREOPSIS (California Sunbeams). Are golden yellow, the petals are broad and open. Blooms freely and makes a fine display from late spring until late summer. Thrives well in moderately moist ground and semi-shaded location. Pkt. 10c, oz. 60c.

COSMOS—Early single pink, White and Mixed, Late single pink, white and mixed; pkt. 10c each; oz. 40c. **Cosmos, Klondyke, Orange;** pkt. 10c.

COSMOS—(Double Crested Late). One of the most beautiful Cosmos. Pkt. 10c, oz. \$1.25.

DOUBLE DAISY (Bellis). Pretty little well-known border flowers; a cold frame in winter and north border in summer will insure plenty of plants. Pkt. 10c.

DAISY (Shasta). Grows 2 to 3 feet tall and makes a fine display during summer; the flowers are white and borne on long stems. Pkt. 10c.

DAHLIA. Dahlias can be grown from seed. Plant the seed in boxes during March and set out after the danger of frost is over, or sow outdoors in April. Pkt. 10c.

DELPHINIUM (Larkspur). Finest Mixed. Easily grown from seed sown any time from early in the spring until the early part of August. Pkt. 10c, oz. 80c.

EVERLASTING FLOWER (Helichrysum). An exceedingly handsome class, and of the greatest value for winter bouquets; flowers should be cut before they are fully expanded. Pkt. 10c; oz. 80c.

FORGET-ME-NOT (Myositis). A charming and interesting perennial of easy culture, growing freely in any moist situation. 10c per pkt.

—Chinese. Lovely rich blue. Blooms from June until Sept. Pkt. 10c.

FOUR O'CLOCK (Mirabilis). The old and well-known Marvel of Peru; a beautiful plant of fine habit, glossy foliage and fragrant flowers. Hardy annuals; 10c per pkt; oz. 20c.

FOX GLOVE (Digitalis). Very effective and showy plants with dense spikes of flowers on stems, 3 or 4 inches high. Hardy perennials.

Fine Mixed, all good varieties, pkt. 10c; oz. \$1.50.

FLOWER SEEDS—Continued

GAILLARDIA. A splendid perennial for the garden, excellent for cutting the large high colored flowers on strong stems. Bloom all summer. Pkt. 10c; oz. 60c.

GOURDS. A highly interesting class of ornamental climbing plants, with fruit of singular shape, color and marking. 10c per pkt.

GYSOPHILA. A small white flower for cutting; 10c per pkt., oz. 40c.

—Hardy Single, White; pkt. 10c, oz. 60c.

HOLLYHOCK. This old garden flower has much improved of late, and is becoming a greater favorite every year. The flowers being large and stems erect, the plants look best when grown at the back of a border. Hardy perennial; 10c per pkt., oz. \$1.00.

GEUM. A pretty perennial of low growth, sending up flower stems two feet tall. The flowers are double and measure 2 inches across. They are a most intense orange-scarlet. They do best in a sunny location. Pkt. 10c.

ICE PLANT (Mesembryanthum). The leaves appear as if covered with a coating of thin ice. It is grown among other flowers as a ground cover and is suited for the hanging basket. The flowers are either white or light pink and small in size. Pkt. 10c.

KOCHIA, or SUMMER CYPRESS. An annual ornamental that closely resembles a small cypress tree. 10c per pkt.; oz. 50c.

HELIOTROPE. A general favorite for its delicate fragrance. 10c per pkt.

LARKSPUR (Delphinium). Beautiful showy plants from 1 to 3 feet in height. Excellent for background. Double mixed, pkt. 10c, oz. 40c.

LUPINES. A bed of lupines will make a wonderful show in the garden. Long stately spikes carried on strong, rounded bushes and a succession of flowers from June until August. Pkt. 10c.

MARIGOLD—French Double Mixed. Blooms all summer. Legion of Honor. Single, golden yellow flowers with brown centers, border plant. Pkt. 10c; oz. 60c.

Marigold (Tagetes). One of the universal favorites; the only element they lack of being a perfect flower is the odor. Pkt. 10c; oz. 60c.

—African double, mixed colors, tall; pkt. 10c.

MIGNONETTE (Reseda). One of the most universal favorites in cultivation, because of its delicate fragrance. Common Sweet Scented, 10c per pkt., oz. 50c.

NASTURTIUM, Dwarf. We have these in a wonderful variety of colors. Oz. 15c; ¼ lb. 50c.

PANSY. Commonly called Heartsease. This universal favorite is so well known as to render any description superfluous. Pkt. 10c, oz. \$2.00.

PINK. Very closely related to the Carnation and Picotee, but more vigorous and hardy. Hardy perennials. Chinese Pink, double mixed, 10c per pkt., oz. 60c.

PETUNIA. A plant of easy, vigorous growth, producing flowers in great abundance all the season. 10c per pkt.; oz. \$1.00.

PETUNIA, Violaacea. Deep violet, single. Rosy Morn. A beautiful pink flower, blooms freely all summer. Pkt. 20c. General Dodd's, blood red, pkt. 20c. Fluffy Ruffles, fringed, pkt. 40c.

PHLOX DRUMMONDI. For variety, brilliancy of color, and constant show, there is no flower that equals the Phlox. Half hardy annuals, 10c per pkt., oz. 80c.

POPPY—Double Carnation, finest mixed, pkt. 10c; Double Shirley, mixed, pkt. 10c; Single Shirley, mixed, pkt. 10c; Flanders, red single, pkt. 10c.

PORTULACA. Low growing, neat plants, producing a profusion of brilliant, richly colored

flowers. Succeeds best in dry gravelly soil. Half hardy annuals. Single mixed, pkt. 10c, oz. 80c.

PYRETHRUM. Roseum mixed, a showy plant 2 ft. high, bearing a profusion of large daisy-like blooms in shades of rose, pink and white, pkt. 10c

RED HOT POKER (Tritoma). This is an entirely new strain of the popular poker plant, with massive orange scarlet spikes. If seed is sowed in warm place in March the plants will flower the first year. Height 3 ft. Pkt. 10c.

SALPIGLOSSIS—Mixed, veined varieties; pkt. 10c; oz. \$1.00.

SALVIA. Our strain of Salvia makes spikes a foot long of the most dazzling scarlet, pkt. 10c; oz. \$2.50.

SCIZANTHUS (Butterfly Flower).—The large compact bushes over 2 ft. tall, covered with butterfly-like blooms, colors are white, cream, pink, crimson and mauve. Sow in April, pkt. 10c, oz. 80c.

SCABIOSA. Mixed colors. A handsome summer flowering plant, best for cutting; pkt. 10c; oz. 80c.

SNAPDRAGON. A very showy plant, suitable for bed, all colors, 10c per pkt.; oz. 90c.

STOCK. The Ten-Week or annual Stocks present nearly all the requisites of a perfect flowering plant; beautiful flowers, delightful fragrance; early flowering and abundance of flowers. Large Flowering Dwarf, mixed, 10c per pkt.; oz. \$1.50.

SWEET WILLIAM (Dianthus Barbarus.)—Hardy perennials, of various colors, mixed. 10c per pkt.; oz. 80c.

SUNFLOWER (Helianthus). Dwarf, double, 10c per pkt.

VERBENA. A well-known bedding plant, producing profusion of flowers. Mixed, all colors, 10c per pkt., oz. 80c.

WALL FLOWER (Cheiranthus). Pretty little flowers, somewhat resembling Ten Week Stock, 10c per pkt., oz. 80c.

ZINNIA. One of the most brilliant and desirable annuals cultivated. Zinnia Elegans, double, very choice, pkt. 10c, oz. \$1.00. Gold Medal Mixture—Double Giants, Mixed, red, purple, salmon rose, yellow, pink, lavender, white, all 10c pkt., oz. \$1.00.

ORNAMENTAL CLIMBERS

CYPRESS VINE (Ipomoea Quamoclit)—Graceful climber with dark green foliage and star-shaped flowers; 7 feet; pkt. 10c.

NASTURTIUM. This old-time favorite has been improved by cross breeding until its variation in coloring in both flowers and foliage are marvelously beautiful. There is no flower (excepting perhaps the Sweet Peas) which gives such large returns for so little care. It continues to bloom throughout the summer till stopped by frost. Mixed, oz. 15c.

GOURDE. Very useful in covering arbors, fences, etc., while the fruit is both ornamental and useful. 10 to 40 feet. Mixed, pkt. 10c.

MOON FLOWER (Ipomoea). A rapid climber with immense flowers from 5 to 6 inches in diameter. Blooms at night, 20 ft. Pkt. 10c.

WILD CUCUMBER. One of the most rapid climbers we have for quickly covering verandas, trellis, etc., they are unequalled. After once started will seed themselves year after year, 10 to 15 feet. Pkt. 10c.

CANARY BIRD VINE. Pkt. 10c.

BLUE MOON FLOWER. Pkt. 10c.

MORNING GLORY. Known everywhere, a new variety (Japanese Giant), although flowering somewhat later than the ordinary kind, is a royal acquisition with its immense and gorgeous colored flowers. Morning Glory, mixed 10c pkt.—Japanese, mixed, 10c pkt., oz. 25c.



Spencer Sweet Peas

Blanche Ferry—Bright pink, white wings, oz. 20c; ¼ lb. 75c; lb. \$2.50.

Mrs. Townsend. White with blue edge, oz. 20c; ¼ lb. 75c; lb. \$2.50.

Mrs. Tom Jones. Deep amethyst blue, extra fine, oz. 20c; ¼ lb. 75c; lb. \$2.50.

Royal Purple.—Dobbie's rich purple, oz. 20c; ¼ lb. 75c; lb. \$2.50.

Earl Spencer—Light salmon, oz. 20c; ¼ lb. 75c; lb. \$2.50.

Margaret Atlee—Rosy salmon buff, oz. 20c; ¼ lb. 75c; lb. \$2.50.

King White—Giant Pure White, oz. 20c; ¼ lb. 75c; lb. \$2.50.

Royal Scott—Brilliant scarlet; oz. 20c; ¼ lb. 75c; lb. \$2.50.

Mrs. Hugh Dickson—Buff and apricot pink; oz. 20c; ¼ lb. 75c; lb. \$2.50.

Dobbie's Cream—Selected deep cream; oz. 20c; ¼ lb. 75c; lb. \$2.50.

Countess Spencer—Pure pink; oz. 20c; ¼ lb. 75c; lb. \$2.50.

King Edward Spencer—Pure red; oz. 20c; ¼ lb. 75c; lb. \$2.50.

Mixed Spencer Sweet Peas; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Sweet Peas—Hardy—Blooming throughout the summer; branches 8 to 10 feet; pkt. 10c.

Theilmann's Best Mixed Sweet Peas—Oz. 10c; ¼ lb. 35c.

BLBS FOR SPRING PLANTING

Dahlias—Old-time favorites, of almost every color imaginable except blue. We have a good assortment; 20c each; \$2.25 doz.

GLADIOLAS

White and Light Shades	Each 5c; dozen \$0.50
Scarlet and Red	" 5c; " .50
Pink and Rose	" 5c; " .50
Orange and Yellow	" 5c; " .50
Striped and Variegated	" 5c; " .50
America (Soft Pink)	" 5c; " .50
Baron Hulot, Blue	" 10c; " .70

Mrs. Frank Pendleton, Salmon Pink, each 6c; doz. 70c.

Mrs. Francis King, Light Scarlet or Flame, each 6c; doz. 70c.

Peace (Pure White with touch of carmine), each 6c; doz. 70c.

Prince of Wales (Apricot Pink), each 6c; doz. 70c.

CALADIUM ESCULENTUM—Magnificent foliage plants sometimes called Elephant Ears; leaves sometimes a yard long and half as wide. Large sound bulbs, 15c each; \$1.75 per doz.

TUBEROSE—One of the most delightfully fragrant and beautiful flowering summer bulbs. Our stock has never been flowered and will be sure to bloom.

—**Excelsior Dwarf Pearl**—6c each, doz. 60c.

Niagara (Cream Yellow), each 6c; doz. 70c.

War—Deep, rich red, each 6c; doz. 70c.

Schwaben—Light orange yellow, red blotch, ea. 6c; doz. 70c.

Panama—Rich rose pink, each 6c; doz. 70c.

Crimson Glow—Deep red, each 6c; doz. 70c.

Theilmann's Mixture—This is a very selected variety of the best bulbs and colors. Send in an order and you will be pleased with the results. Dozen 40c.

POTATOES

In selecting your seed stock give this your most earnest consideration, as this is a vegetable that is seldom missed on the menu. We take great care in selecting our seed stock in order to have the very best varieties obtainable. What we recommend in potatoes are the varieties that will yield well, as well as fine eating quality and good keepers.

Improved Early Rose. We sell more of this variety than any other, as it is the leading early sort in almost all sections. The stock we furnish is Northern grown and has been carefully selected.

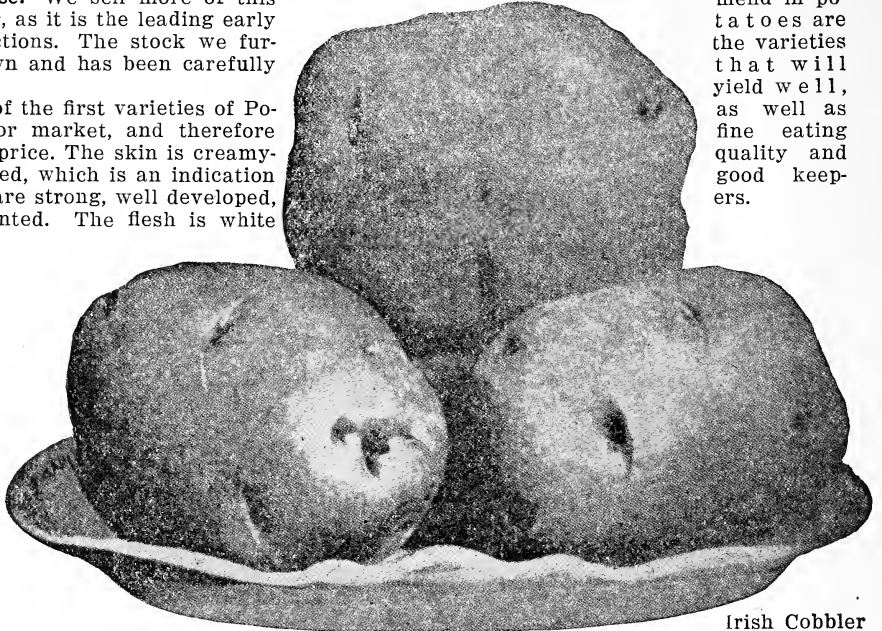
Irish Cobbler. One of the first varieties of Potatoes to be ready for market, and therefore will command a good price. The skin is creamy-white, sometimes netted, which is an indication of good quality; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine flavor.

Green Mountain.—Maine grown stock is a good market potato, is uniform in size and shape, it is white and mealy, is good for medium early as well as for main crop, and an excellent keeper.

Russet. A new seedling, bred from two famous varieties; its strong, compact, upright vines make large healthy foliage. Potatoes netted close together, very hand-

some, with eyes on the surface and very shallow, keeps well. Late Russets come highly recommended as one of the very best potatoes in existence; its flesh is fine, grain white as snow; dry and floury.

Early Six Weeks. This extra early is in great demand for seed by experts who harvest before vines die and sell the plump, smooth, handsome potatoes at very high prices. Very shallow eyes.



Irish Cobbler

A FIELD OF HOME-GROWN YELLOW DENT CORN—(Description on following page)



YELLOW DENT CORN—Continued

Cut on page 28 shows a variety of corn that is adapted to about any latitude or locality where corn is grown for either grain or fodder; a good yellow corn, ears 10 to 12 inches long, usually about 10 inches, 16 to 20 rows, grains solidly set on small red cob, is a strong grower with abundant foliage; combines the early qualities of Pride of North. It is an excellent all around variety of corn for all general purposes. Matures safely in 90 days with any decent weather, as we have the above corn grown here in Erie County. You will make no mistake in planting same for general crop. Ask for prices.

EARLY WHITE CAP DENT—This excellent variety of early corn combines the earliness and hardness of Pride of the North but ears larger than Pride of the North; it is a very dependable and highly yielding early corn and a great favorite with all who have grown it on account of its good yields and certainty of a good crop even where other sorts fail, or make weaker yields. The stalks are rather short but stout and robust, growing height 6 to 8 feet, dependent upon the land. Ears are of rather handsome appearance, 8 to 10 inches long, well filled, small cob. The outer end of the grain or cap is white, deeply dented, while the inner portion is a clear amber yellow; it is a variety once tried will remain a favorite. Ask for prices.

SEED CORN

We are glad to say Corn was fully matured this season and our stock is fine; will test up to 90 per cent. and better for our locality through here. We would advise home-grown for ripening, as one season will not work with another. Our Silo Corn is grown in Ohio, except Sweepstakes and Sure Crop, which is grown in the south-eastern part of Pennsylvania; Eureka in Virginia. We can assure you the varieties are true to name and have given the best of satisfaction. Corn is the cheapest seed a man can cover an acre with. In the mean time if he loses a crop of corn he has lost one-third to one half of his entire crop—so buy the **BEST SEEDS—WE HAVE THEM.**

Eight-Row Yellow. Our famous eight-rowed yellow flint, with ears from 12 to 15 inches long, cannot be equalled; small cob; beautiful bright golden yellow grains. Ripening very early, and good yielder. Ask for prices.

Improved Leaming. This is an improvement of the old Leaming, mostly grown for silos in this section of the country; in any kind of a section it will ripen. Ask for prices.

Pride of the North. An early Dent variety, introduced several years ago, and as popular today as ever. We have the genuine variety. Ask for prices.

Red Cob Ensilage. A large white corn with red cob, stalks especially sweet, tender and juicy; has short joints, abundance of leaves and grown to a great height; a perfect ensilage corn. Ask for prices.

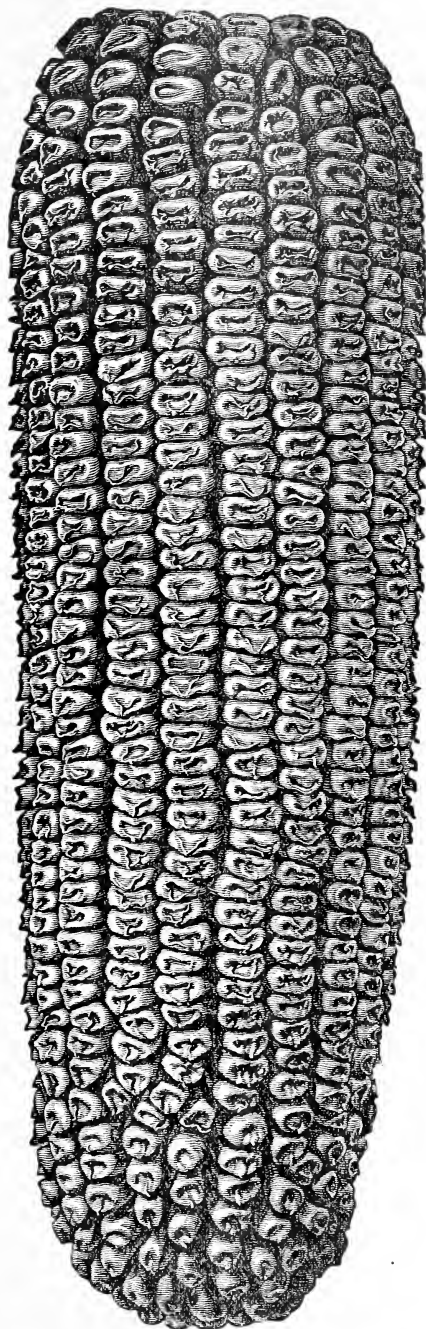
Lancaster Sure Crop. Is a large yellow corn and will ripen in 100 days and can also be used as an ensilage corn. Ask for prices.

Cuban Giant Ensilage (new). A perfect ensilage corn. Having the creamy quality of the Tuscarora Corn, and the growth and rankness of the Red Cob Ensilage Corn. Ask for prices.

Eureka Ensilage Corn. Grows the tallest and is the most leafy; will produce more good material for the silo than any other variety. Ask for prices.

Sweepstakes. This corn has been tried out through this section for a number of years with very good results; it comes earlier than Leaming and ears up well. This last season there were several farmers who saved their own seed; of course you are aware it was a good year for corn to ripen. The fodder is large, ears up well. We think it will take place of Leaming. Ask for prices.

The Price of Field Corn is so Uncertain that Prices are Subject to Change



Huron Dent

SEED OATS

Victory Oats—An improved oat of the Swedish Select type, produced by the famous Swedish grain breeding station and brought to this country a few years ago. It is now perhaps the most popular variety in Northwestern Pennsylvania, and has proved itself to be a wonderful yielder, with stiff straw, drought and rust resistant and medium early. In the past year or two many yields of seventy to one hundred bushels to the acre have been reported. The grain is exceedingly plump and heavy. Write for price.

Swedish. A large white oat, very productive, one of the best varieties known. Ask for prices.



Golden Millet

POP CORN

White Rice. An old variety, lb. 15c. **Yellow Cream**—A very good popping corn, lb. 15c.

Black Diamond. — A Pop Corn that will pop the first year; lb. 15c.



OUR SEEDS WILL GROW

SPRING WHEAT

We are selling more or less Spring Wheat every spring, and we believe there will be more sowed this spring than last. We have a nice stock. Get our prices.

RED FIFE SPRING WHEAT—This is one of the best varieties, good, stiff straw. Ask for prices.

SPRING RYE—Shorter straw than winter. Ask for prices.

BARLEY

SIX ROWED. Very fine Canadian grown. Write for prices.

ALPHA BARLEY—Is one of the new leading sorts. Two Row Barley. Is York State grown and a good yielder. Write for prices.

CANADA FIELD PEAS

Canada Field Peas make a fattening and milk producing food that will grow on land that will not produce a grain crop, and at the same time improve the soil by gathering and storing nitrogen—in this respect it is almost equal to the clovers. They yield heavy crops that may be either grazed or made into hay that stock eat greedily and thrive on. They grow 4 to 5 feet high, but can be grazed when 6 to 10 inches high. If not grazed too closely a second growth may be had, and sometimes a third growth if conditions are favorable. Pasturing the peas makes them stool out better and results in a finer growth of vine and a better hay.

Culture—Sow early in March, one bushel to acre and plow in 4 inches deep, after which drill in one bushel of Rust-Proof Oats to the acre to hold the vines off the ground; if sown alone sow $1\frac{1}{2}$ bushel to the acre. Market price.

MILLET

GERMAN or GOLDEN MILLET. Will grow three to four ft. high and will mature in about three months. Takes the place of hay and makes a wonderful green feed in dry seasons. Market price.

JAPANESE—Comes from Japan; the largest variety of all; grows from 6 to 8 feet high, yielding immense quantities of feed. Market price.

HUNGARIAN MILLET

Valuable when hay is short or to follow some early harvested crops. Sow $\frac{1}{2}$ bushel per acre.

RAPE

DWARF ESSEX—Grown extensively for foliage, especially for sheep. Sown in June or July, it yields a bounteous fall pasturage, on which sheep and young stock fatten with marvelous rapidity. If sown broadcast, about 5 lbs. per acre will be required; if drilled, considerably less will do. We have the true Essex Dwarf, which should not be confounded with worthless annual. Per lb. 15c; 100 lbs. \$11.00.

SOY BEANS

The Soy Bean is nothing new. It has been on the market for a long time. As a grain crop it will compare favorably with any crop you grow. You can count on twenty bushels per acre and are analyzing higher than Linseed meal. Should properly be worth at least 3c to 4c lb. and probably more than that; in addition when threshed for grain the straw is decidedly good feed comparable in our test with reasonably good clover hay. It is simply surprising how the stock does love this straw and they thrive on it excellently. It is a fine crop for hogging in connection with corn and hogs will thrive on it better than any other grain that you can find. It makes hay that is a trifle coarse and slow to cure, but when one is short on hay and needs a quick maturing catch crop for this purpose. Its chemical analysis is so high and its palatability so great that its faults may easily be overlooked.

ITO SAN. An old variety that we have grown for over fifteen years, and the best real early bean that we have found. Matures probably five days earlier than Mongol; is well adapted to this latitude; bean medium size, yellow. It branches reasonably well, stands erect and is a reasonably good yielder. Sow about twenty pounds per acre. Market price.

SUGAR CANE

EARLY AMBER—Used largely for fodder; rich in saccharine, and the best of dairy foods. Lb. 10c; per bu. \$2.50.

When buying Seed do not wait until the last minute when you are ready to sow or plant. Let us have your order **EARLY**, which will give us time to put your orders up in better shape, and furthermore, will not keep you waiting for an hour or two, or if you have them shipped, railroad facilities are none of the best.—We are connected with the Buffalo & Lake Erie and Northwestern trolleys, also five different railroads, so we are in shape to handle your orders in good shape.

SWEET CLOVER

It is rather pleasant to be progressive and have one's visions come true. When other seedmen were barely mentioning this plant, we were giving space to it in our catalogue. As a matter of fact we congratulate ourselves that no farm crop of any importance has appeared ahead of our own development, and usually we have been a little bit ahead of the times. For a few years after we began pushing this seed, many farmers were skeptical concerning it and many of them even considered it as dangerous weed. Not only has this feeling changed, but we believe the average farmer knows SWEET CLOVER to be a valuable plant and is thinking about sowing some. Furthermore, in the beginning many of us considered it useful only as a fertilizing plant, while today it is coming to be recognized not only as one of the most extraordinary fertilizing plants in America, but as the most wonderful pasture plant we have.

We find it difficult to cure for hay and greatly prefer pasturing it rather than cutting for hay. No plant which we have ever used equals it for pasture. It will easily carry one beef steer per acre throughout, probably the entire summer. It suffers less from drought than any other plant we know of, except Alfalfa, and stock rarely bloat on it sufficiently to cause any trouble. It is equally suited to pastures with hogs. Orchardists find it valuable as a cover crop, and its use seems to be spreading out constantly. Ask for prices.

"Canadian Variegated" is Hardest Alfalfa

**Plant discovered in Welland County a
blend of Varieties**

The field husbandry department of the Ontario Agricultural College and the Experimental Union have been working with alfalfa for over a quarter of a century. It was ascertained some years ago that it was necessary to use the best methods of culture, to inoculate the seed and to sow nothing but the very hardy varieties, if success with this important crop is to be reached in this province, says Dr. C. A. Zavitz (head of the Experimental Dept. of the Ontario Agricultural College), who describes the development of the variety as follows:

About seventeen years ago we discovered a variegated alfalfa growing in Welland County, Ontario, which was exceptionally hardy. This was a blend of alfalfas obtained over fifty years ago from Lorraine and from Baden, the later, being the original home of the Grimm. After carefully investigating the history of this hardy alfalfa I gave it the name "Ontario Variegated". It has had the natural selection caused by our Ontario winters for upwards of fifty years. The winter of 1917-1918 was probably the severest on record, killing over fifty

percent of the winter wheat and upwards of 45,000 acres of alfalfa. It also destroyed the tenderest plants in the fields of hardy alfalfa, leaving only the very best. We, therefore, have in Ontario at the present time an alfalfa the seed of which is sure to create a big demand in both Canada and the Northern States, where an exceptionally hardy alfalfa is required.

In an experiment conducted at the Ontario Agricultural College extending over a period of ten years, in which the alfalfa plants were carefully counted annually, the Ontario Variegated made the highest record of those hardy varieties which are grown more or less extensively in Ontario and in some of the Northern States. The exact average percentage of living plants from the ten-year period was as follows: Ontario Variegated, 66.9; Grimm, 66.0, and Baltic 61.9.

In an experiment started three years ago, in which there are seven plots of Grimm from five different sources, the average yield of hay per acre per annum for 1923 and 1924 was 4.6 tons for the Ontario Variegated and 4.4 tons for the Grimm.

Both the Ontario Variegated and the Grimm have given satisfactory results in the co-operative experiments over Ontario, while the common variety of alfalfa has usually killed out in a very short time.

Reprinted from Toronto Mail & Empire,
of July 10th, 1925.

OUR SEEDS ARE RELIABLE

CLOVER AND GRASS SEED

The market on the above seed will be somewhat lower than last year, and at the present time, we believe, it will be well enough to buy earlier, as we understand the seed is very short. Let us figure with you on your wants.



Timothy

Alsike. Native of Sweden; perfectly hardy; does not heave in winter. Unsurpassed for bees. Market price.

Medium Red. The common variety. Market price.

Crimson. An annual with crimson flowers valuable as a fertilizer; sown in late summer after early crops are taken off; will produce a heavy growth to turn under the following spring. Prices variable.

White Dutch. Valuable for lawns and pastures. Market price.

Timothy. Market price.

Fancy Red Top. Cleaned from chaff. Market price.

Kentucky Blue Grass (*Poa pratensis*). Thrives on a variety of soils. Valuable for lawns. Market price.

Orchard Grass (*Dactylis glomerata*). The most valuable and widely known pasture grass. Market price.

SUDAN GRASS

A forage crop of immense value. It is strictly an annual and dies each year like millet and must be seeded again each spring. Sudan Grass grows tall, reaching a height of six to nine feet.

Sow in rows eighteen to forty-two inches apart and cultivate like corn, or it can be drilled in with a grain drill, or sown broadcast by hand. If sown broadcast, about twenty pounds required per acre. If drilled in rows, four to eight pounds of seed is sufficient.

THEILMANN'S LAWN GRASS

This is by far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared by a careful blending of different grasses to produce a thick, velvety appearance so much sought after. Many of the choicest lawns in our city have been seeded down with this mixture and have proven satisfactory.

THEILMANN'S "SHADY PLACE" GRASS

We have a special lawn mixture for shady places. The grasses used in making this mixture are only those that are well adapted for growing in the shade, and as it blends well with our regular Lawn Grass Mixture, it may be used on those portions of the lawn which are shaded by trees, buildings etc.

ALFALFA, OR LUCERNE CLOVER

The cultivation of Alfalfa is lately becoming of widespread interest. There has been an erroneous impression that it could only be grown in certain favored localities, but this idea has been exploded and with proper treatment and the right seed success is certain. The crop may be cut from three to four times a year, producing from a ton to a ton and a half at each cutting. By raising it the farmer not only produces large quantities of forage, but at the same time he is enriching his field for future crops, as it is a great nitrogen gatherer. The matter of SEED is of the greatest importance. We secure our supply from Canada, only a few miles from Buffalo, and it is, therefore, acclimated and much superior to seed that is grown in Utah or Kansas, the usual source of supply. We have submitted samples to the Government and they have reported it pure, and we are, therefore, able to furnish the most desirable seed that can be obtained. Market price.



Pulverized Sheep Manure—the Weedless Fertilizer—supplies the humus and plant food necessary to make all plants grow to perfection.

It is the leading fertilizer and will produce thick, velvety, green lawns of lasting beauty. Apply 10 pounds to 100 square feet.

Flowers and shrubbery will give a luxuriant growth of healthy green foliage and will prolong the blooming season.

Vegetables and Fruits.—Every gardener knows there is nothing better than MANURE to build up the soil, and produce big crops of fine vegetables and fruits.

ASK FOR WIZARD BRAND SHEEP MANURE

2 lbs. 20c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. 85c; 50 lbs. \$1.50; 100 lbs. \$2.50.

BONE MEAL—Excellent for general use or mixing with potting soil, 5 lbs. 25c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.

PHOSPHATE—We have a special put up for use for gardeners which we find has no equal for truckers and gardeners. It is put up in 100-lb. sacks. Try some at \$2.50 per 100 lbs.

NITRATE OF SODA—lb. 10c; 10 lbs. 75c; 25 lbs. \$1.50; 100 lbs. \$5.00.

PLANT FOOD—Especially made for house plants; will start them into growth quickly. In packages, 25c and 50c.

LIME—(Hydrated or Powdered), 10 lbs. 25c; 50 lbs. 75c.

Add Postage if wanted by Mail

FERTILIZERS

"Made Grass Grow Where it Never Grew Before."



This year you can have the kind of lawn you have always wanted. Beautiful flowers and shrubbery will also be yours if you apply VIGORO, the new specially prepared plantfood. There is nothing else like VIGORO. Easy to apply and free from any objectionable odor. VIGORO is a scientifically formulated plantfood. It gives your



grass, flowers, shrubbery, trees, and garden plants the necessary nourishment in just the right proportion to produce the maximum growth and beauty.

Order VIGORO today.

We have a full line of Fertilizers, such as phosphate, sheep and hog manure, which has no equal for garden or trucking. In order to get results, try it, convince yourself, there is no use of planting a lot of seeds or plants if there isn't anything to back it up. 5 lbs. 50c; 25 lbs. \$1.75; 50 lbs. \$3.00; 100 lbs. \$5.00.

Why Raise Roses to Feed Bugs?

MELROSINE IS CERTAIN DEATH TO ROSE BUGS

The blooms are saved without spot or blemish, PERFECT—for not only the dreaded Rose Bugs, but the other insects as well are destroyed. Moreover, the plants are cleansed and sanitized, thus preventing disease. Strengthened, invigorated and refreshed, their blooms enhanced in color, beauty and size, are also increased in number, while greater resistance to winter-killing accrues as an additional advantage.

MELROSINE made its great success as a remedy for rose bugs, for which it is, so far as we know, the only effective preparation, but of course, the less resistant insects succumb still more readily to its deadly power.

Price list of Melrosine: Gallon can \$6.00; ½ gallon can \$3.25; qt. can \$1.75; pint can \$1.00.

LEGGETT'S "CHAMPION" DUSTING MACHINE



Price, \$14.00

For Distributing Dry Insecticides and Fungicides

Reg. U. S. Pat. Office

Paris Green, Hellebore, Sulphur, Lime, Dry Bordeaux Mixture, Bordeaux and Paris Green Compound, Dust, etc.



DU PONT

SEMESAN — Is a seed disinfectant for all kinds of seeds and by using Semesan you will have a larger production of plants, and will produce earlier blooms than seed not treated.

Semesan can be used either as a dust or liquid and is easily applied. Its use will mean **DISEASE-FREE GREENHOUSE** and field operations, better yields and finer blossoms, also more profits.

Prices for DuPont Semesan as follows:

2 ounces	\$.50
8 ounces	1.60
1 pound	2.75
5 pounds	13.00
25 pounds	62.50

Inoculate WITH NOD-O-GEN



PLANTS

INOCULATED
WITH
NOD-O-GEN

(BELOW)
NOT
INOCULATED

For Legume Crops

The cheapest and easiest way of improving crops and soil.

The Legume crops when not inoculated rob the soil; inoculated with the right bacteria, they feed the soil, grow more vigorously and contain a higher percentage of valuable feed proteins.

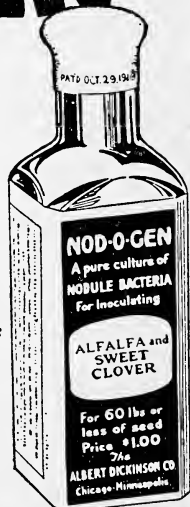
Nod-O-Gen Easiest and Surest Form of Inoculation

Nod-O-Gen is a scientific pure culture of root nodule bacteria, prepared on special food jelly in bottles with patent stoppers which permit the bacteria to live and breathe and maintain their vigor. Each culture contains plenty of bacteria to inoculate the quantity of seed marked on the bottle. The cost per acre is very small.

Moreover Nod-O-Gen is easiest inoculation to use, requiring no equipment or experience. Takes only a few minutes. Complete directions on every bottle. Results are sure.

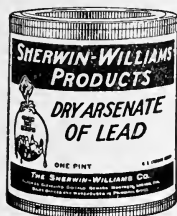
Prices for Nod-O-Gen

For Alfalfa, Sweet Clover, Red Clover and other Clovers (specify which):	
1/4 bu. size	\$.60
1 bu. size	1.00
For Soy Beans, Cow Peas, Field Peas and Beans and Vetches (specify which):	
1 bu. size	\$.50
5 bu. size	2.00
For Garden Peas, Sweet Peas, Garden Beans and Limas:	
Garden Size	\$.25
Always specify names of crop as well as size of culture wanted.	



ADD POSTAGE IF WANTED BY MAIL

Sound Fruit Brings Profit



Sherwin-Williams DRY ARSENATE of LEAD

You cannot afford to experiment with spray materials this year. Use one that has proven by years of use to be successful.

Has been the standard of quality for years. It has maximum killing strength, yet no danger of burning and will insure you the big healthy fruit that you want. Ask us for literature and prices.

Kill the Scale Before It Kills Your Trees

Spray in the early Spring, while the trees are dormant, with

Sherwin-Williams

DRY LIME-SULFUR

Standard Lime-Sulfur Solution in Dry Powdered Form



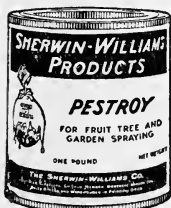
It has all the good qualities of Liquid Lime Sulfur but eliminates the bad qualities. Use Dry Lime Sulfur in your orchard this year. It will save you time and money.

Protect Your Crops

Not only against insects but against disease as well. Use

Sherwin-Williams PESTROY

A Combination of Arsenate of Lead and Bordeaux Mixture in Dry Powdered Form



This spray has the killing power of Arsenate of Lead and the fungus preventive qualities of Bordeaux Mixture. It sticks to the leaves and makes big healthy fruit. When used according to directions, a spray solution will be secured containing approximately 1 1-3 pounds of Arsenate of Lead and the standard

4 4-50 Bordeaux Mixture formula. Drop in and get descriptive literature and prices.

Add Postage if wanted by Mail

INSECTICIDES



We think we have as complete a line of spraying material for all kinds of diseases on trees, plants and destroying insects. Do not wait until too late.

LIME AND SULPHUR SOLUTION is endorsed by all the experimental stations for scale, etc., practically you are compelled to use it if you wish to

save your trees. We can supply you any quantity you wish, from 1 gal. to a bbl. Get prices.

ARSENATE OF LEAD, which is here to stay. We have the above in powdered or in paste form. The best codling moth, curculio and rosebug remedy. Prices on application.

PARIS GREEN. Largely used for spraying potatoes. Get prices.

HELLEBORE. Powdered white Hellebore, excellent for currant worms. 25c pkt.

SLUG SHOT. A non-poisonous powder to be applied dry, particularly effective for potatoes and cabbage. Pkg. 20c; 5 lbs. 50c; 10 lbs. \$1.00.

TOBACCO DUST. Pure tobacco ground to a fine powder. Effective in the destruction of all insect life, especially useful on cucumbers and all tender plants as it does not burn; lb. 10c.

FISH OIL SOAP, used for washing plants, also destroys borers. Pkt. 25c.

BORDEAUX MIXTURE for black rot mildew, etc., in powdered form and paste. Pkt. 25c and up.

SULPHUR used to prevent mildew on plants, also used for scab on potatoes. Per lb. 10c; 25 lbs. \$1.50.

BLUE VITROL for SPRAYING. Per lb. 15c. Ask for prices on quantities.

COPPER SOLUTION kills blight, rot and mildew, 1 qt. to 100

qts. of water. Price per qt. 35c; per gal. \$1.00.

GRAPE DUST, 1 lb. 25c.



GRAFTING WAX

Softens the Wax by the warmth of the hand or by placing in warm water after removing the wrapper. It is best to grease the hand in order to prevent sticking. This Wax can be drawn or worked to any degree of thinness required and spread on the cut or around the graft when trimming fruit or other trees or shrubbery. It will be much better to cover the cut with the Lion Brand Grafting Wax, or for grafting trees heat same just so it will run, put on with brush. Price, 1/4 lb. 15c., 1/2 lb. 25c; 1 lb. 45c.

SPRAYERS

Spraying has got to be a necessity as these days there is hardly a thing in the plant or fruit line but is bothered with some pest, and the only way you can get away from it is to spray either trees, shrubs, or plants. We carry a full line of sprayers, from the smallest to the largest. See our assortment.

"THE MIDGET"

A new size made to fill the need for small Sprayer for household requirements. It is made of a good weight of tin, the tank is 3 in. in diameter by 3 in. in length. Holds one pint; is 14 in. long over all, has $\frac{1}{4}$ -in. pump rod fitted with anhydrous leather and our special metal expanders.



Price, 35c.

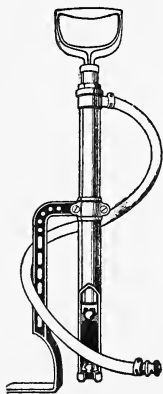
SPRAYER—For house and small plants, price 15 cents

ONE QUART GLASS CAN SPRAYER

This is one quart Glass Sprayer, used for spraying small fruits and vegetables and can also be used for disinfecting poultry houses.



Price, 75c.



Price, \$4.50

MODOCK BUCKET PUMP

This pump is all brass except the foot piece and handle. The cylinder, or barrel, is very large and is made of heavy, seamless brass tubing; into this we put the plunger (which is made of seamless brass tubing), thereby largely increasing the pump's capacity.

The plunger is hollow, thus forming an air chamber which insures a steady flow of liquid. The valves are bronze balls. The plunger packing is cotton wick and can be quickly changed when necessary. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3-ft. $\frac{1}{2}$ -inch spray hose attached with clamps.



Price, \$5.00 Galv., \$7.00 Brass

"BROWN" SPRAYER

COMPRESSED AIR

The particular advantage of this Sprayer is its wide range of usefulness. You may have two or three trees too tall to reach with a bucket sprayer and not worth the cost of a pump large enough to reach them from the ground. Pump up the Compressed Air Sprayer, climb a ladder, turn on the faucet and let it run. For small shrubs it can be easily carried about by the shoulder strap. When properly charged the tank holds three gallons of liquid and one gallon of air and two pumpings will empty it.

"HUDSON" SPRAYER

Built on the best lines, of high grade material and with the idea of turning out a sprayer which has none of the faults and defects so common in many Knapsack Sprayers heretofore on the market. The tanks are made of heavier metal than has ever been used in sprayers of this kind, are locked seamed at the corners, two convex heads of metal, two gauges heavier than the sides, a single seam runs lengthwise of the tank. This seam is reinforced by rivets making the tank practically unbreakable. The pump is 1 $\frac{3}{4}$ -inch seamless brass tubing with a brass valve, and is sealed into the top of the tank with heavy thread following the construction used in the best makes of fire extinguishers. The pump rod is 5-16 in. and is fitted with anhydrous leather and our special metal expanders.

The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed. The hose is $\frac{3}{8}$ -inch 5-ply cloth inserted and is equipped with our automatic shut-off nozzle.

This Sprayer will handle Whitewash, Water, Paints, Bordeaux Mixtures, etc., perfectly. For whitewash and all heavy mixtures it is necessary to use a "W. W." Cap in nozzle, which is furnished with sprayers.

These sprayers are made in galvanized steel or brass as ordered. Weight, 9 lbs. empty. All sprayers tested to 60 pounds before leaving factory.

Price, \$5.00 Galv.
\$7.00 Brass

THE STANDARD SPRAY PUMP Made entirely of brass as used with Bucket Knapsack tank or bbl. for spraying orchards, gardens, vineyards, white washing, disinfecting chicken houses, killing vermin on stock.



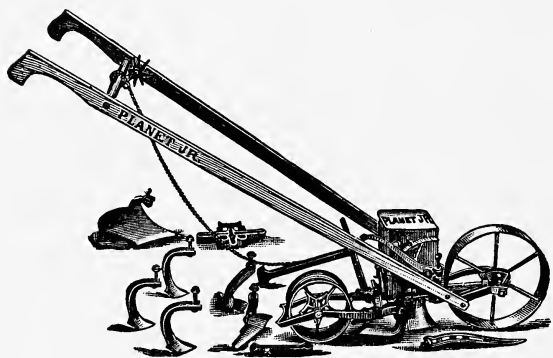
Price, \$5.00

Planet Jr. Garden Tools

The New "Planet Jr." Catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit, full of true and handsome illustrations. We mail it free to any address on application.

NO. 4 PLANET JR. COMBINED HOE. AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, Complete, \$18.00. Weight, 50 lbs. As Seeder Only, \$14.25.
Holds 2½ Quarts of Seed.



This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage. No time is lost. No seed is wasted. By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe with a set of specially hardened

steel tools, the best made for hoeing, plowing, cultivating, opening furrows, hilling, etc. Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys. Pays for itself in a season and will last for years. Thousands have been sold in this and many foreign countries.

NO. 12 COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW

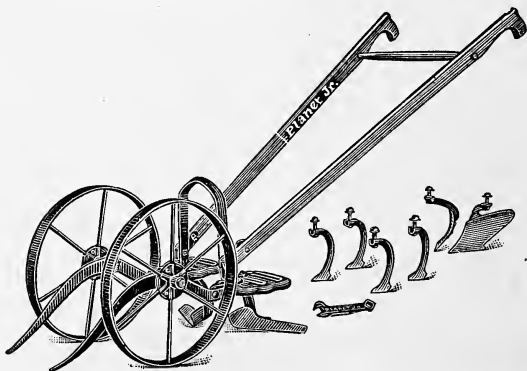
Price, \$10.75

Weight, 33 lbs.

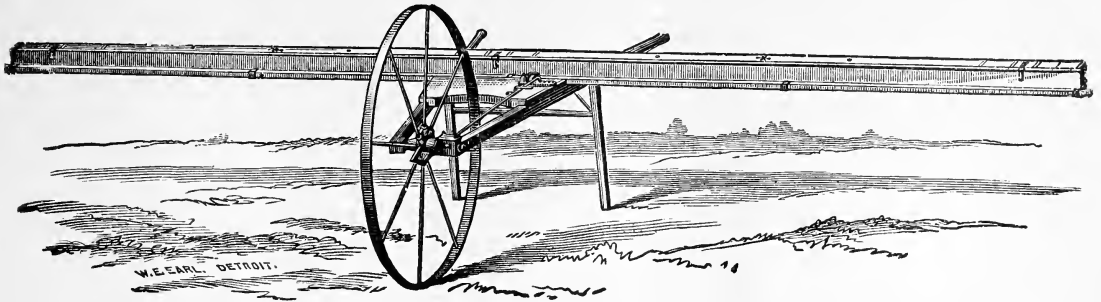
A Double and Single Wheel Hoe In One

14-inch steel wheels for 1931. Straddle crops till 20 inches high, then can be worked between rows with one or two wheels.

The hoes are wonderful weed killers and leave the ground almost level. The cultivator teeth are of improved design and admirable for deep work. The plows are invaluable for opening furrows for manure, etc., for covering and for plowing to or from the crop.

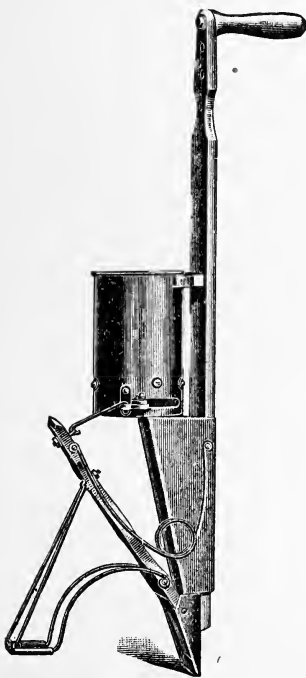


THE NATIONAL WHEELBARROW CLOVER AND GRASS SEEDER



Steel Wheel Hopper. Sows fourteen and sixteen feet. Price of Seeder, 14 ft. box, \$10.50. Price of Seeder, 16 ft. box, \$11.50.

ROTARY PLANTER



This is a Rotary Planter, you can adjust a plate so you can drop from 1 to 10 kernels and is very easily adjusted.

Price, \$3.25

NORCROSS CULTIVATOR—Hoes and Weeders



are among the most modern tools for garden and flowers. They are light, strong and cultivate closer to the plants without injuring them than any other kind of implement, leaving the soil level, loose and untrampled.

Cost but little more than a common hoe — accomplish much more and better work with less labor. They cultivate the soil.

Prices, 75c and \$1.25



Pruning Shears, { \$1.00
2.50



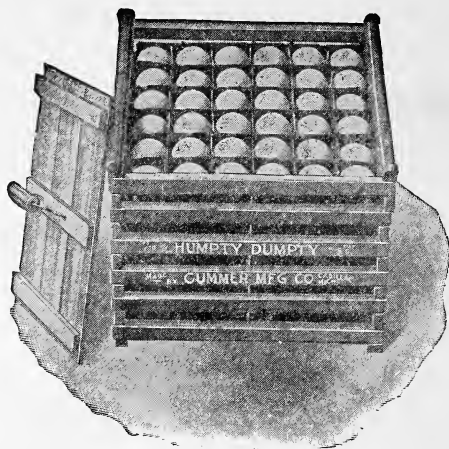
Rakes, 50c and up.

BASKETS

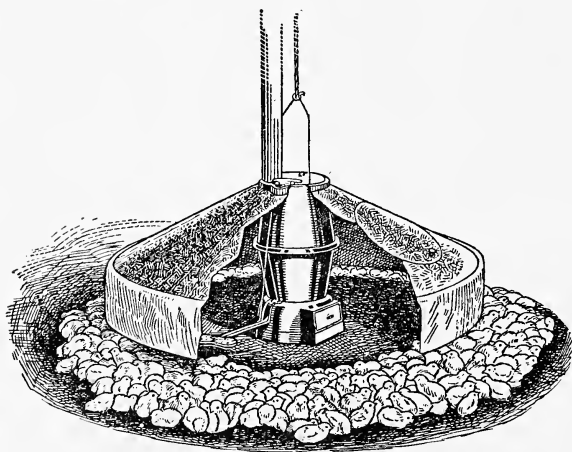
This season we think we will be in better shape on the basket situation, than ever before, and in splendid shape to supply your wants.

One-quart Berry Cups
 Grape Baskets, all sizes
 12 qt. Splint Baskets
 Elm and Oak Stave Bushel Baskets
 Egg Crates
 8 qt. Splint Baskets

We can save you money if you buy your baskets from us. Write or phone and tell us what you want, we can help you out.



BUCKEYE INCUBATORS AND BROODERS



We are sole agency for the **Buckeye Stove Brooders and Incubators**. These Stove Brooders are among the leading ones on the market today. You will notice that the prices are as follows. We carry four sizes:

No. 117—42-inch Hoover	\$15.00
No. 118—52-inch Hoover	17.50
No. 119—56-inch Hoover	22.50
No. 120—60-inch Hoover	26.50

We think you are getting your value for your money on these Stoves.

We have the agency for the well-known **Hot Water Buckeye Incubator and Brooder**. We do not know of another hot water machine on the market which is better than the Buckeye machine. We have them in different sizes. If interested ask for a catalogue. We shall be glad to give you any information you wish, in regard to the incubators. Get our catalogue on same. **Buckeye Incubator: Capacity, 110 eggs or 85 duck eggs. Complete, ready for use.**

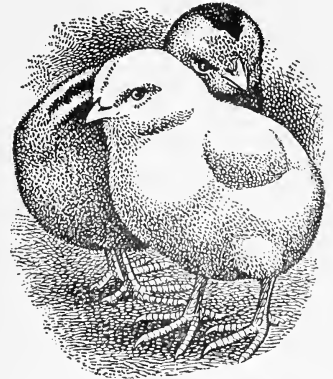


DAY OLD CHICKS

We are headquarters for Day Old Chicks. We get them every morning; we can supply them to you in any quantity. We start to have them the first week in March and continue until June 15th.

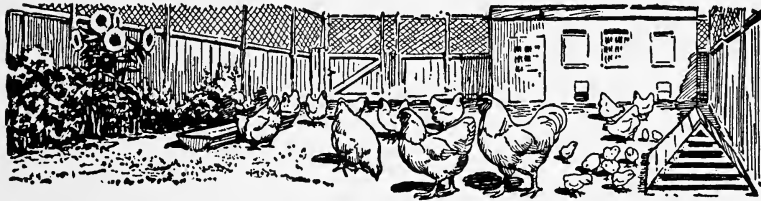
Our strain of chicks comes from good, well bred utility stock true to name. Our main stock consists of Barred Rocks, White and Buff Rocks, White, Brown and Buff Leghorns, Rhode Island Reds, White Wyandottes, Silver Lace Wyandottes, Black and White Minercas, Anconas, Buff Orpingtons and Light Brahmas.

In placing your order ahead we can always accommodate you better, and furthermore, we can always get the breeds you want. We ship them Parcel Post within 500 miles with safety. Prices on application.



POULTRY FEED

We consider ourselves the largest handlers of the following feeds:



Conkey's and Full-O-Pep scratch grains put up in 25-50-100 lbs. sacks.

Besides we handle Wheat, Buckwheat, Cracked Corn, Whole Corn, Oats, Barley,

and Kaffir Corn. We also have the Chick and Broiler Scratch Grains.

We have a nice line of the leading mashes as follows:

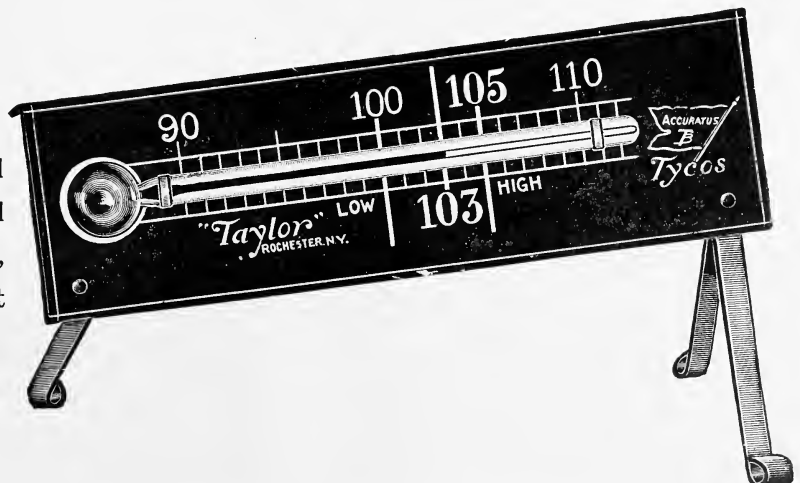
CONKEY'S LAYING MASH in.....	10 lbs., 25 lbs., 50 and 100 lbs.
FULL-O-PEP LAYING MASH in.....	25 lbs., 50 and 100 lbs.
CONKEY'S CROWING MASH in.....	10 lbs., 25 lbs., 50 and 100 lbs.
CONKEY'S STARTING MASH in.....	5-10-25-50 and 100 lbs. sacks

Ask for prices on poultry feeds as the prices vary from time to time, according to the grain market.

THERMOMETERS

We carry a full line of all kinds. Tell us what you want, we have it at right prices.

Price, 90c.



Feeding Conkey's Y-O Yeast with Cod Liver Oil

Conkey's Y-O can be fed in a special receptacle, just as it comes from the package, but most poultrymen prefer to mix it with mash to insure each fowl getting its portion. It can be mixed with either dry or wet mash.

AMOUNT TO FEED

Baby Chicks—Begin to feed Conkey's Y-O about the 4th day, and continue up to the 5th week using a heaping tablespoonful for every 50 chicks each day or mix one-half pound of Conkey's Y-O in every 100 pounds of mash. It stimulates growth and causes bone development.

Growing Chicks—From the 5th to 12th week, use 1 heaping tablespoonful to each 25 chicks each day or mix 1 pound of Conkey's Y-O with 100 pounds of mash; they will make better and faster gains without an increase in the amount of feed, because they will more thoroughly assimilate what they eat.

Pullets—Should have Conkey's Y-O mixed in the mash, 1 heaping teaspoonful to every 20 birds, or 1½ pounds mixed into 100 pounds of mash, to prepare them for quick maturity and readiness to enter the laying house and avoid fall colds.

Laying Hens—Layers need Conkey's Y-O, to restore vigor and maintain vitality under the heavy strain of egg-production. They should have 2 lbs. of Conkey's Y-O mixed into each 100 lbs. of Laying Mash.

Breeding Birds—For breeders, Conkey's Y-O is invaluable, 2 lbs. being mixed with 100 lbs. of mash, to keep up vitality and insure vigor. For upon their condition depends fertility of hatching eggs and inherent vitality of chicks.

Sick Birds—Where fowls are devitalized on account of Roup, worms, etc., Conkey's Y-O helps them back to health, used in proportions, as above given, according to age.

FOR STOCK

(These quantities can be increased judiciously during Winter feeding)

Fattening Calves—1 to 8 weeks, 1 tablespoonful daily.

Milch Cows—1 tablespoonful twice daily.

Breeding Animals — Cows: 1 tablespoonful daily.

Horses — 4 tablespoonfuls daily mixed with other grains.

Swine—1 tablespoonful daily up to a body weight of 150 pounds.

Pigs—½ teaspoonful daily, after weaning.

Conkey's Y-O Yeast with Cod Liver Oil gives Roosters new fertility and Hens a new ability.

Price, Packages

1 lb. -----	\$.55
2 lbs. -----	1.00
5 lbs. -----	2.00
25 lbs. -----	7.50
50 lbs. -----	14.00
100 lbs. -----	22.50

MISCELLANEOUS

Flower Pots	3 inches to 14 inches in size
Crocks	2 qts. to 25 gallons
Jugs	1 gallon to 5 gallons

CELL-O-GLASS. — Is a prepared wire netting, finely woven, and constructed to take the place of glass, to be used in poultry houses or for hot beds and cold frames. It comes 3 feet wide and can be had in any desired length. Price 45c per running foot; \$1.25 per yard.

GLASS CLOTH. — Is a sort of stiff cloth used to let in light and at the same time keep out the cold in poultry houses and hot beds. It comes 3 ft. wide and can be had in any length, at 40c per running yard, or 15 yds. for \$5.00.

GARDEN WHEEL BARROWS

WATER BALLAST LAWN ROLLERS

BEE SUPPLIES

EGG CARTONS

TWINE FOR TYING GRAPES

POULTRY LEG BANDS

OAT SPROUTERS

BINDER TWINE

THE GREAT EGG PRODUCER

DONG SUNG TABLETS FOR EGG LAYING

Use one tablet for every 10 hens. Dissolve tablets in small quantity of water and stir bran or other ground feed to make wet mash that hens will clean up quickly. Give once daily in morning, at other feedings give scratch feed or other feed in litter as usual. Allow hens to have constant access to plenty of drinking water, grit and broken shells. Price 50c, and \$1.00 packages.

DOG FOODS AND REMEDIES

We are large handlers of **SPRATT'S DOG FOOD**, such as:

Spratt's Dog Cakes	per lb. .15	Spratt's Charcoal Oval Cakes per lb. .15	
Spratt's Puppy Cakes.....	" " .15	Fibo—A ground food.....	" " .15
Spratt's Oval Cakes	" " .15	Bull Dog and Terrier Feed....	" " .15

Milk Bone for Dogs and Puppies at 20 and 35 cents a package

Ask for prices on larger quantities

We have the **DR. CLAYTON'S DOG REMEDIES** which we recommend as the best on the market.

Mange Remedy	Skin Medicine	Hair Tonic	Distemperine (liquid)
Condition Pills with Pepsin.....	.60	Cough Remedy .....	.60
Blood Pills .....	.60	Sulphur Tablets .....	.60
Digestive Tablets .....	.60	Puppy Tonic .....	.60
Laxative Tablets .....	.60	Rheumatic Tablets .....	.60
Worm Pills .....	.60	Diarrhoea (liquid) and Tablets.....	.60
Tape Worm Expeller .....	.60	Chorea Tablets .....	.60
Vermifuge (liquid) soft tablets.....	.60	Kil Flea Powder .....	.35
Canker Lotion (liquid) .....	.60	Ceoline Dog Wash and Disinfectant .60	
Eye Liquid .....	.60	Kil flea Dog Soap.....	.25
Fit Remedy .....	.60	Ceoline Dog Soap .....	.25

Add 5 cents extra if wanted by parcel post. These prices are subject to change without notice.

KEN-L-RATION is composed of clean, wholesome meat, the best grade of cereals and Norwegian Cod Liver Oil in exactly the right proportions to make a perfect balanced ration.

HEM-O-RATION is a meat, blood, cereal and cod liver oil product, rich in organic iron and calcium phosphate. The ideal food for breeding stock, anemics and convalescents.

PUP-U-RATION is the perfect puppy food. Very rich in protein, calcium phosphate, organic iron, cod liver oil and marrow fat.

Price of the above is 15 cents per lb., add 10c extra for postage and packing if wanted by parcel post.

Ask for prices in large quantities.

Add Postage if wanted by Mail

POULTRY FOODS, ETC.

WE CARRY THE FOLLOWING

Dr. Hess' Panacea—50c pkgs. and up.
 Dr. Hess' Louse Powders—25c pkgs.
 Dr. Hess' Stock Food — 25c pkgs.
 and up.

Lambert's Death to Lice—25c.
 Lee's Liquid Lice Killer—60c and up.
 Lee's Lice Powder—25c.
 Black Diamond Lice Powder—25c.

Zenoleum Dip—A perfect dip for disinfectant for horses, cattle, sheep, hogs, poultry and household use. 1 qt. 75c, 2 qts. \$1.25, gallon \$2.25.

FLY SPRAY

We handle one of the best Fly Sprays on the market, it is put up in one gallon cans.

Standard Fly and Germ Killer (stainless) at \$1.50 per gallon.

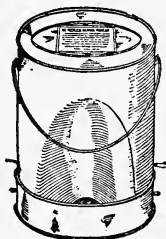
Standard Fly and Germ Killer (dark) at \$1.25 per gallon.

TANGLEFOOT FLY SPRAY for house use and mosquitoes, bed bugs, moths, fleas, roaches and ants, to be applied with a sprayer. One half pints, 75c; pints \$1.00; quarts \$1.50.

If wanted by parcel post add 10 cents extra for packing and postage.

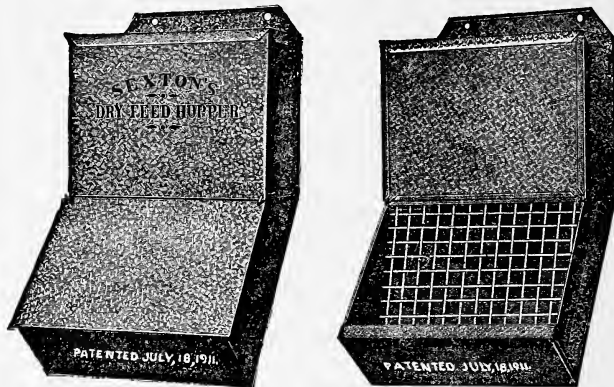
THE LEADER

5-Qt. Drinking Fountain



is right. The water is always pure. It is protected from dirt and filth. Easy to clean and fill and fowls cannot injure their combs when drinking. Simple in construction, durable and practical. It is adjustable. If it becomes too loose or too tight spring the sides of the fountain in or out as it may require, until the bottom is a perfect fit.

Price, 85c



MOE'S DRY FEED HOPPER

EASY TO FILL—NO WASTE

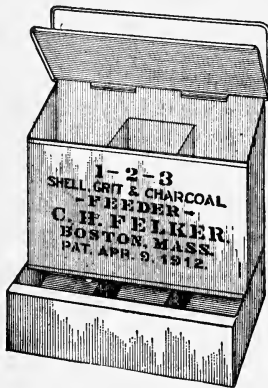
Pronounced to be the BEST HOPPER OFFERED. Simple in construction, easily operated and absolutely "rat" and "mouse" proof.

The lower cover is so arranged that it is held up by locking the top cover of Hopper over same, and by raising the top cover the lower cover will fall in place.

It is unnecessary for us to treat on the advantages of Dry Feed as it is now being used extensively by all raisers of poultry. This Hopper is arranged to hang on the wall the desired distance from the floor and never need be removed from the wall to be refilled.

Price, each \$1.75

1-2-3 SHELL GRIT AND CHARCOAL FEEDER



A very convenient size for a pen of fowl. Will serve for one, two or three kinds of feed by using the separator. Price, 80c.

Larger size: Price, \$1.25.

Bird Supplies and Remedies

Canary Seed, German Rape, Hemp and Poppy (Mau) Seed Bird Millet, Mixed Bird Seed, all at 15 cents per lb.; 10 lbs. \$1.30.

Cuttle Fish Bone.....	2 for 5 cents
Bird Manna.....	15 cents, two for 25c
Bird Bitters	25c Bottle
Mite Powder	25c Pkge.
Song Restorer	25c Pkge.
Bird Wash	25c Bottle
Bird Tonic	25c Bottle
Burnett's Bird Feed and Song Restorer	25c Bottle
Sunflower Seed for Parrots	12c per lb.

Add 5 cents for any of the above if wanted by mail.

KOW-KURE

**I'm Feeling Fine
Thank You**

A nervous, discontented cow is always a poor milk producer because Nature is attempting to rebuild her wasting system instead of attending to the natural healthy functions of producing and re-producing.

A cow can be "off color," just as a human being can be—and like a human being, she needs the proper medicine to build up the sluggish organs. KOW-KURE is the standard remedy for such cow diseases as Abortion, Retained Afterbirth, Barrenness, Bunches, Milk Fever, Scouring, Red Water and Lost Appetite. KOW-KURE puts sick cows "on their feet"—makes profitable cows of backward ones.

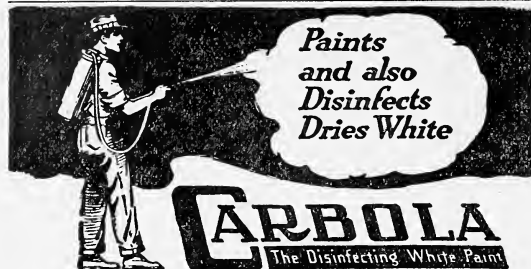
Try KOW-KURE on your poor milkers. Most feed dealers and druggists sell it, in 50c and \$1 packages. Write for free copy of our book "Cow Diseases."

**Dairy Association Company, Mfrs.
Lyndonville, Vt.**

Distributors for Pacific Coast:
German Seed & Plant Co., Los Angeles, Cal.
Portland Seed Co., Portland, Oregon
Spokane Seed Co., Spokane, Wash.



Price, 10c each



THE POWDER OF MANY USES

CARBOLA is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. *One pound covers 100 sq. ft.*



IN THE CHICKEN HOUSE

To paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. Sprinkle it in the nests and rub it into the birds. The dry powder is an excellent louse powder.

IN THE BARN

To paint and disinfect side walls, ceilings, stalls, etc., as an aid to cleanliness and prevention of tuberculosis, foot and mouth disease, and other contagious diseases. Spread the dry powder on floor where the cow stands. Use it as a louse powder. Wash hands with powder before milking.



IN THE HOUSE

Carbola applied to walls and ceilings of cellars will kill bad odors, mustiness, prevent cobwebs, disease germs, drive out spiders, ants and other insects. Use the dry powder as cleanser for pots, pans, cutlery and for removing stains from woodwork. Especially recommended in bathroom for cleaning bathtubs, wash basins, tile and for disinfecting the bowl.

Dust Carbola on rose bushes, peas, cabbage, tomato plants, etc., to help get rid of insects and worms. Spray it on trees and tree trunks.

It increases light, sanitation and general appearance in factory buildings. It makes cleaner warehouses. An excellent and economical interior finish for garages.

USE CARBOLA

INSTEAD OF WHITEWASH

Because Carbola will do everything that whitewash will do and at the same time will thoroughly disinfect. Carbola will increase the light in buildings, brighten up the dark corners, make them sweet smelling and sanitary, improve their appearance, and put them in shape to pass the inspection of milk companies and health authorities, all at one operation.

The dry Carbolic powder is unexcelled as a lice powder for use on poultry, cattle, horses or hogs and is recommended to rid dogs of fleas. Use Carbola in your poultry houses, stables, dairies, creameries, cellars and outbuildings. It is endorsed by thousands of the best known and most carefully conducted poultry, dairy and breeding farms, and by many experiment stations and agricultural colleges.

Prices

5 lbs. (5 gallons) cartons.....	.75
10 lbs. (10 gallons) "	1.25
20 lbs. (20 gallons) "	2.25
50 lbs. (50 gallons) "	4.00

RAT CORN



Shake box well before using. Mix three parts of Rat Corn and one part of bait thoroughly together, adding a little water, if necessary only a few drops at most and put around in batches where troubled, about a tablespoonful to a batch.

If more than one application is necessary it is well to keep changing the bait.

Price 25c, and 50c per package.

FARM TABLES

TABLE OF WEIGHT

Showing the standard weights per bushel of some of the more common seeds.

Barley	48 lbs.	Flax	56 lbs.	Rye	56 lbs.
Beans	60 lbs.	Hemp	44 lbs.	Red Top Grass	14 lbs.
Blue Grass	14 lbs.	Hungarian Grass	48 lbs.	Rape	50 lbs.
Buckwheat	48 lbs.	Millet	48 lbs.	Timothy	45 lbs.
Clover	60 lbs.	Oats	32 lbs.	Tares, or Vetches	60 lbs.
Corn	56 lbs.	Peas	60 lbs.	Wheat	60 lbs.

PLANTS UPON AN ACRE OF GROUND

Distances apart	No. of Plants	Distances apart	No. of Plants	Distances apart	No. of Plants
6 in. by 6 in.	174,240	2 feet by 2 feet	10,890	5 feet by 5 feet	1,742
1 foot by 1 foot	43,560	3 feet by 2 feet	7,260	6 feet by 6 feet	1,210
1½ foot by 1½ foot	19,360	3 feet by 3 feet	4,840	8 feet by 8 feet	680
2 feet by 1 foot	21,780	4 feet by 4 feet	2,722	10 feet by 10 feet	435

SEED REQUIRED FOR A GIVEN NUMBER OF PLANTS, ETC.

1 oz. Asparagus will produce about	500 plants
1 oz. Broccoli, Cabbage, Cauliflower, Egg Plant, Kale, Tomato, Leak or Pepper	2500 plants
1 oz. Celery, Endive, or Lettuce will produce about	6000 plants
1 oz. Okra, or Spinach, may be allowed for every	100 feet of row
1 oz. Onion, or Radish, may be allowed for every	150 feet of row
1 oz. Carrot, Parsley, Parsnip, or Turnip, may be allowed for every	200 feet of row
1 oz. Cucumber is sufficient for	125 hills
1 oz. Musk Melon is sufficient for	100 hills
1 oz. Water Melon is sufficient for	40 to 60 hills
1 oz. Pumpkin, or Squash, is sufficient for	40 to 80 hills
1 qt. Dwarf or Bush Beans is sufficient for	200 feet of row or 300 hills
1 qt. Pole Beans is sufficient for	100 to 200 hills
1 qt. Peas is sufficient for	150 to 200 feet of row

TABLE OF QUANTITIES

Showing the quantity of seed usually sown upon an acre.

Barley, broadcast	2 to 3 bu.	Millet, broadcast	½ to 3¼ bu.
Barley, in drills	1¾ to 2 bu.	Musk Melon, in hills	1 to 1½ lbs.
Beans, dwarf, in drills	1½ bu.	Mangel Wurzel, in drills	4 lbs.
Beets, in drills	4 bu.	Oats, broadcast	2 to 3 lbs.
Broom Corn, in drills	1½ bu.	Onion, or dry bulbs, in drills	4 lbs.
Buckwheat	1 to 1½ bu.	Onions, or bulbs, to sell green, in drills	6 to 8 lbs.
Cabbage, in hills	8½ oz.	Onion Sets, in drills	10 bu.
Cabbage, in beds to transplant	2 oz.	Parsnips, in drills	4 to 6 lbs.
Carrots, in drills	2 to 3 lbs.	Potatoes, in drills, depending on number of eyes	7 to 15 bu.
Clover, Red, broadcast	15 to 20 lbs.	Peas, broadcast	2 bu.
Clover, White, broadcast	10 to 15 lbs.	Radish, in drills	6 lbs.
Clover, Alsike, broadcast	10 to 15 lbs.	Radish, broadcast	12 to 16 lbs.
Corn, in hills	8 to 12 lbs.	Rye, broadcast	2 bu.
Corn, for fodder	2 to 3 bu.	Salsify, in drills	6 to 8 lbs.
Cucumber, in hills	1 lb.	Sage, in drills	4 to 6 lbs.
Flax	1½ to 2 bu.	Spinach, in drills	10 to 15 lbs.
Grasses—		Squash, bush varieties, in hills, 3 to 4 lbs. Squash, running varieties, in hills	2 to 2½ lbs.
Kentucky Blue Grass	2 bu.	Tomatoes, in bed to transplant	2 oz.
Lawn Grass	3 bu.	Turnip, in drills	2 lbs.
Orchard Grass	2 to 3 bu.	Vetches	2 to 3 bu.
Red Top Grass	2 bu.		
Hemp, broadcast	1 to 1½ bu.		
Hungarian Grass	½ to ¾ bu.		
Lucerne, broadcast	15 lbs.		

The above list estimates of seeds for an acre is as nearly correct as can well be ascertained, assuming the seeds are good.

ROCK GARDEN COLLECTION OF FLOWERS

RED HOT POKER
DIANTHUS PINKS
CANDYTUFT
LUPINES
PHLOX

POPPIES
VERBENAS
DELPHINIUM
ALYSSUM



Seeds and Garden Supplies

THEILMANN SEED COMPANY

1601-1605 STATE STREET - - ERIE, PENNA.

LOWEY LITHO. CO. S.F. NO. 88
MADE IN U.S.A.